



For Our
Patients

CLINICAL CONGRESS 2019

The Best Surgical Education. All in One Place.

October 27–31

Moscone Center | San Francisco, CA

PROGRAM BOOK

The Golden Gate Bridge, one of the seven
wonders of the modern world.

facs.org/clincon2019



100+ years

AMERICAN COLLEGE OF SURGEONS

Inspiring Quality:
Highest Standards, Better Outcomes

Dear Colleagues,

On behalf of the Program Committee and the Division of Education, we would like to extend to you a warm welcome to the 2019 Clinical Congress of the American College of Surgeons (ACS). We are very excited about the Congress returning to San Francisco, CA, this year!

The Clinical Congress remains the premier annual professional education and training meeting for surgeons worldwide. It offers an array of outstanding learning opportunities firmly rooted in cutting-edge science, state-of-the-art surgical practices, and contemporary principles of surgical education and continuous professional development. Our goal is to continually introduce innovative programs to address the evolving needs of practicing surgeons, surgery residents, medical students, and members of surgical teams.

The 2019 Clinical Congress Program covers a broad range of critical topics across the breadth of surgery and includes 11 Named Lectures, 112 Panel Sessions, 19 Didactic Courses, 14 Surgical Skills Courses, 31 Video-Based Education Sessions, 87 Scientific Forum Sessions, 45 Meet-the-Expert Sessions, and 19 Town Hall Meetings. The Clinical Congress Program should help in addressing specific educational needs based on individual surgical practices, interests, and evolving regulatory requirements.

Important features of the 2019 Clinical Congress Program include:

- Named Lectures delivered by nationally and internationally renowned experts
- Panel Sessions focusing on cutting-edge advances and timely topics
- A variety of important Didactic and Skills Courses
- Presentations of the latest scientific advances in surgery
- Certificates for achieving specific levels of verification through participation in Didactic and Skills Courses, based on the Division of Education's five-level Verification Program
- The Clinical Congress App for planning individual schedules and claiming Continuing Medical Education Credits

We are extremely grateful to the Members of the Clinical Congress Program Committee, Advisory Councils, and Standing Committees who have made extraordinary contributions to the 2019 Clinical Congress. We encourage you to take full advantage of this outstanding educational opportunity!

Henri R. Ford, MD, MHA, FACS, FAAP, FRCSEng(Hon)

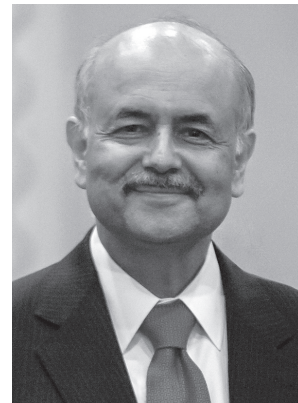
Chair, Program Committee

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME

Director, Division of Education



Dr. Ford



Dr. Sachdeva

Program Committee of the American College of Surgeons

The Program Committee is responsible for planning and implementing the continuing educational offerings of the College, primarily the Postgraduate Courses, Panel Sessions, and symposia at the annual Clinical Congress. In addition to its 20-member committee, more than 30 liaison members represent the various disciplines and groups in surgery.

CHAIR:

Henri R. Ford, MD, MHA, FACS, FAAP, FRCSEng(Hon), *Miami, FL*

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Contents

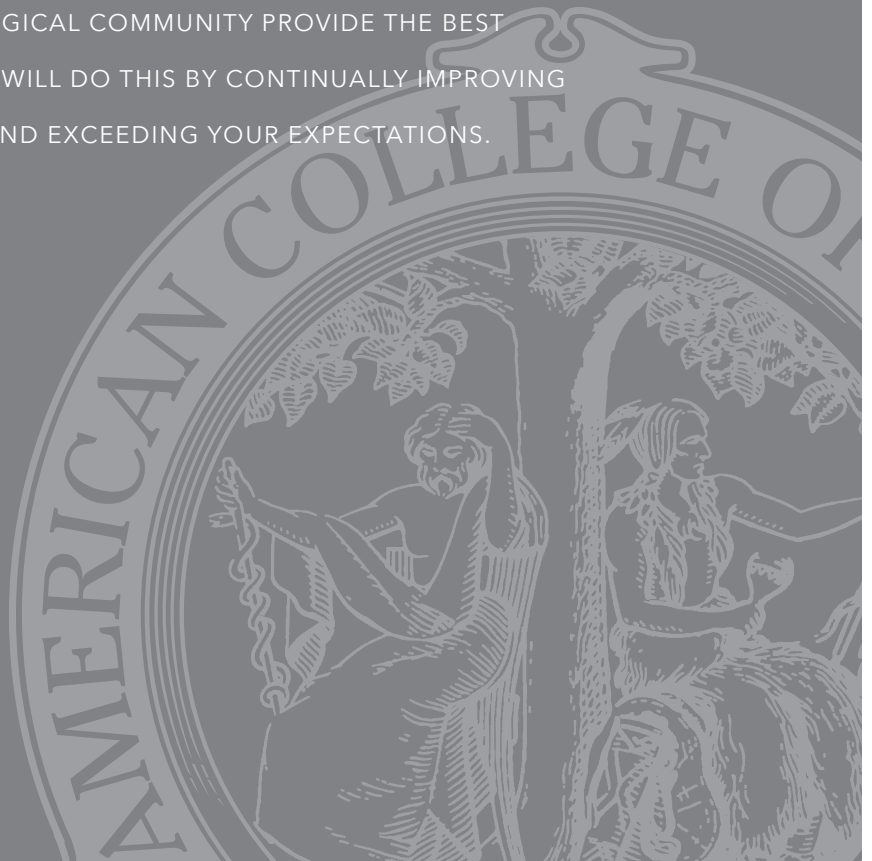
General Information	5
Webcasts and Audio Packages	5
Continuing Medical Education Credit Information	5
Member Engagement Activities	7
• Wellness Events	7
• ACS Taste of the City	7
Exhibit Hall	8
• ACS Central	8
Speaker Ready Room	9
Guest Program and Child Care	10
Clinical Congress 2019: Track and Session Key	12
Sessions-at-a-Glance by Track	13
Credit to Address Regulatory Mandates	28
Credit to Address ACS Accreditation/Verification Requirements	30
Special Interest Sessions	33
Convocation	33
Annual Business Meeting of Members	38
Named Lectures	39
Special Sessions	41
Postgraduate Courses	42
Didactic Courses	43
Surgical Skills Courses	54
Meet-the-Expert Sessions	64
Town Hall Meetings	67
Panel Sessions	71
The Owen H. Wangensteen Scientific Forum	109
Owen H. Wangensteen Scientific Forum e-Poster Presentations	170
Video-Based Education	205
Officers and Board of Regents of the American College of Surgeons	222
American College of Surgeons Board of Governors	224
Surgical Specialty Societies and Associations	228
Committees of the American College of Surgeons	229
Advisory Councils for the Surgical Specialties	244
Index of Program Participants	247

ACS Staff Pledge to the Surgical Community

WE AFFIRM THAT THE CLINICAL CONGRESS IS THE PREMIER
EDUCATIONAL AND NETWORKING EVENT IN SURGERY.

WE WILL LEVERAGE OUR EXPERTISE TO ENSURE ITS SUCCESS

AND HELP THE SURGICAL COMMUNITY PROVIDE THE BEST
PATIENT CARE. WE WILL DO THIS BY CONTINUALLY IMPROVING
THE EXPERIENCE AND EXCEEDING YOUR EXPECTATIONS.



General Information

Purpose

The Clinical Congress is a scientific and educational meeting that shall be held at the time and place of the Annual Business Meeting of Members, and shall include the Convocation (Bylaws, American College of Surgeons [ACS], Article VIII, Section 3).

The purpose of the Clinical Congress is to keep ACS Members and interested non-Fellow physicians abreast of the current status of the art and science of surgery. To accomplish its purpose, the Clinical Congress offers a highly diversified program of continuing education in all specialties of surgery and in important fields of science, socioeconomics, and medical education. It holds the preeminent place among all College activities designed to raise the standards of surgical practice and improve the care of the surgical patient.

The entire program presented at this meeting includes physicians drawn from various specialties. The sessions are designed to present a variety of viewpoints on matters of particular interest to those for whom the session is primarily intended and to stress the need for understanding and cooperation among the specialties.

Goal

The Clinical Congress is designed to provide individuals with a wide range of learning opportunities, activities, and experiences that match their educational and professional development needs.

Objectives

By the conclusion of Clinical Congress, participants should be able to:

- Apply new knowledge and ideas to improve their surgical practice
- Adapt concepts and quality measures in support of research advancements
- Enhance the quality of patient care

Photo/Video Release Statement

All persons attending American College of Surgeons events may be photographed or recorded, and the photos and recordings may be used for news, educational, marketing, or other purposes. Your registration for this event signifies your consent to this use.

Webcasts and Audio Packages

Look for these icons in the Scientific Program Section:



Purchase Webcast Packages at the Division of Education booths, which are located at ACS Central in the Exhibit Hall and at the satellite Division of Education booth located in the South Building, street-level lobby of the Moscone Center next to MyCME booth.

Practicing Surgeons Webcast Packages

Webcasts provide *AMA PRA Category 1 Credits™*, Self-Assessment Credits, and Credits to Address Regulatory Mandates. Receive a Continuing Medical Education (CME) Certificate documenting credits upon successful completion of viewing the webcast and completing the posttest.

Resident Webcast Packages

View webcasts on demand, which provides the opportunity to individualize your educational experience, and receive a Certificate of Completion.

Choose one of the two webcast packages below:

2019 Complete Package | Pre-Registration Pricing

With this package, individuals may access all selected webcast sessions from Clinical Congress 2019 and MP3 audio recordings of all Named Lectures and most Panel Sessions.

Pick 25 of 2019 | Pre-Registration Pricing

Choose 25 of the selected webcast sessions from Clinical Congress 2019.

For more information, visit <https://www.facs.org/education/webcasts> or contact elearning@facs.org.

Continuing Medical Education

CME Credit Claiming

On-site claiming of Continuing Medical Education (CME) Credit for nonticketed sessions will be available at the MyCME booths and at a kiosk located throughout the Moscone Center. Claims for CME Credit for this event will be accepted until **December 1, 2019**. Residents and Allied Health professionals are eligible for a Certificate of Completion.

Please note: Being scanned into a session does not complete the CME Credit claiming process.

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

Accreditation

The American College of Surgeons is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide Continuing Medical Education for physicians.

AMA PRA Category 1 Credits™

The American College of Surgeons designates this live activity for a maximum of 50* *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

* A maximum of 38 credits are available for nonticketed sessions.



AMERICAN COLLEGE OF SURGEONS
DIVISION OF EDUCATION

Accredited with Commendation by the Accreditation Council for Continuing Medical Education

6 | General Information

Self-Assessment Credit

Self-Assessment Credit will be available for most sessions and courses. The process for earning Self-Assessment Credit is voluntary and is not a prerequisite to claiming CME Credit. Participants are strongly encouraged to complete their self-assessment posttests as soon after attendance as possible. The final deadline is **December 1, 2019**. For more information regarding your individual requirements, contact the American Board of Surgery (ABS) at (215) 568-4000 or www.absurgery.org.

Credit to Address Regulatory Mandates

The majority of state licensing boards have established specific content requirements for CME Credit. State requirements might include Opioid/Pain Management (OPM), Ethics (E), Palliative Care (PA), and/or Patient Safety

(PtS). Clinical Congress sessions that include this content are designated as **Credit to Address Regulatory Mandates**. When claiming CME Credit for these sessions, individuals may select the **Credit to Address Regulatory Mandates**. It will be documented as part of one's CME Certificate and Clinical Congress Transcript. Individuals *must* check with their state medical board to verify that the content meets the specific requirements.

Credits to Address ACS Accreditation/ Verification Requirements

Institutions that are accredited or verified by the ACS require staff to earn credits in applicable content areas—Bariatric (MBS), Breast (BST), Cancer (C), Pediatric Surgery (PEDS), Trauma (T)—in order to meet compliance and site survey requirements. Clinical Congress sessions that

Guide to Educational Credit at Clinical Congress

Claim CME Credits and Earn Self-Assessment Credit by December 1, 2019.

SESSION TYPE	OFFERS CME CREDIT	OFFERS SELF-ASSESSMENT CREDIT**
Didactic Courses (DC)	✓	✓
Meet-the-Expert Sessions (ME)	✓	N/A
Named Lectures (NL)	✓	N/A
Panel Sessions (PS)	✓	✓*
Scientific Forum Sessions (SF)	✓	N/A
Scientific Forum e-Poster Sessions (SP)	✓	N/A
Special Interest Sessions (SI)	N/A	N/A
Special Sessions (SL)	✓	N/A
Surgical Skills Courses (SC)	✓	✓
Town Hall Meetings (TH)	N/A	N/A
Video-Based Education Sessions (VE)	✓	✓*

* Not every session will offer Self-Assessment Credit.

** Some ABS-certified individuals are still required to earn Self-Assessment Credit.

Session Evaluations, Posttests, and the Global Evaluation

PROCESS	TO CLAIM CME CREDIT	TO EARN SELF-ASSESSMENT CREDIT
To claim CME Credit or Earn Self-Assessment Credit (by December 1, 2019):		✓*
• Visit one of the three MyCME booths (on-site only).	✓	Must be completed off site for all Postgraduate Courses
• Use the Clinical Congress App.		
• Go to www.cme.facs.org from your own device.		
Complete each session evaluation.	✓	✓
Complete posttest and achieve a minimum score of 75% correct.	N/A	✓*
Complete Global Evaluation online after attending your last activity at Clinical Congress (deadline is December 1, 2019).	✓	✓
Your certificate will be available online after completion of the Global Evaluation.	✓	✓

* Some Postgraduate Courses require a pre test as well.

include this content are designated as **Credit to Meet ACS Accreditation/Verification Requirements**. When claiming CME Credit for these sessions, individuals may select the **Credit to Meet ACS Accreditation/Verification Requirements**. This will be documented as part of one's Clinical Congress Transcript. Individuals may meet these requirements with relevant *AMA PRA Category 1 Credits™* awarded by any institution. It is the responsibility of the individual to verify that the content meets the specific requirements.

Certificates

CME Certificates are available online following completion of the session evaluations and the Global Evaluation. Go to www.cme.facs.org and log in using the REG ID number on your badge and your last name. After logging in to the website, a participant may access the Clinical Congress 2019 CME Certificate along with a transcript of all sessions completed. To earn a Verification Level II or III for many of the Postgraduate Courses, additional requirements apply. Certificates of Completion are available for all attendees at www.cme.facs.org. For additional information or assistance, please visit a MyCME booth.

MyCME Booth Hours

The main MyCME booth is located in the South Lobby, Upper Level. Hours of operation are:

Sunday, October 27	7:00 am-5:00 pm
Monday, October 28	7:00 am-6:00 pm
Tuesday, October 29	7:00 am-6:00 pm
Wednesday, October 30	7:00 am-6:00 pm
Thursday, October 31	7:00 am-12:00 noon

ACS Disclosure Policy

In accordance with the Accreditation Council for Continuing Medical Education Accreditation Criteria, the American College of Surgeons (ACS), must ensure that anyone in a position to control the content of the educational activity has disclosed all financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation. Please see the insert to this program for the complete disclosure list.

Acknowledgements

The ACS acknowledges the following companies for their assistance in providing an educational grant and/or the use of equipment for the Surgical Skills Courses: Apollo Endosurgery, Applied Medical, BK Ultrasound, Boston Scientific, C.R. Bard, CAE Healthcare, Clarius, Cook Medical, DePuy Synthes, EndoGastric Solutions, Enova, ERBE-USA, Ethicon Inc., Faxitron, Focal Therapeutics, FUJIFILM SonoSite, Inc., GE Healthcare, Halyard (K-C), Healcerion/SONON, Hitachi Healthcare, Intuitive Surgical, Invuity, Karl Storz Endoscopy-America, Inc., Kraft Medical, Kubtec, Medalus, Mederi Therapeutics, Medline, Medtronic, Mentice,

Mentor Worldwide, Merit Medical, MobiUS TC2/Mobisante, OBP Medical, Olympus, Ovesco, Philips, Prytime Medical, Restech - Mederi RF, RGS Healthcare, Richard Wolf Medical, Simbionix, Simquest, Slater Endoscopy, Soma Technology, Storz Endoscopy, Stryker Endoscopy, Terason, Toshiba Ultrasound, U.S. Endoscopy, Valley Lab, Xofig, Zimmer Biomet, and Zonare.

Member Engagement Activities



The following activities are being offered to all attendees and registered guests. Advance registration, available online or at the Registration Desk, is required.

ACS 5K Running Tours

**Monday-Wednesday,
October 28-30 | 6:00-7:00 am
Fee: \$10 per run**

For runners of all experience levels, the ACS Running Tours provide the perfect opportunity for a combination of sight-seeing, exercise, and social interaction. These tours will meet at and depart from the Hilton San Francisco Union Square Hotel, and participants will be divided into small groups based on desired running pace and will be led by a professional guide on a 5K route throughout San Francisco. Stops will be made along the way to enjoy the sights and water will be provided.

Yoga

**Monday-Wednesday,
October 28-30 | 6:00-7:00 am
Fee: \$10 per class**

Start your day with the physical, mental, and spiritual practice of yoga. These sessions will be held at the Hilton San Francisco Union Square Hotel. The classes are appropriate for all experience levels including first-timers. A complimentary yoga mat, which will be yours to keep, and bottled water are provided.

Taste of the City



**Wednesday, October 30 | 5:30-7:30 pm
Moscone Center West Building, Ballroom**

Plan to stay through Wednesday night and join us for ACS Taste of the City and experience San Francisco's unique and diverse dining and cultural scene. Bring your appetite and plan to enjoy music, activities, and camaraderie with ACS leaders, staff, friends, colleagues, and family members.

Exhibit Hall

ACS Central

CONNECT. LEARN. RECHARGE.

Monday-Wednesday, October 28-30

9:00 am-4:30 pm

Location: Halls ABC

Make the most of your Clinical Congress experience and visit ACS Central in the Exhibit Hall as your go-to place to learn about the latest College programs and services, engage with ACS staff, purchase publications and ACS-branded merchandise only available at Clinical Congress, get together with friends and colleagues, charge your devices, or simply sit and relax.

ACS Central will include the ACS Theatre, where featured programming on special topics of interest will be offered Monday through Wednesday from 12:00 noon to 1:00 pm. Additional programming will be offered at other times. The daily schedule will be communicated throughout ACS Central, and special program alerts will be sent out via the app and through ACS social media channels.

ACS Central is also the place to update your member profile and get a professional headshot photo, create a short video reflecting your ACS experiences, and donate a pair of socks to the San Francisco homeless through Operation Sock Drop.

The following areas will be located in ACS Central:

- Member Engagement
- Manage Your ACS Profile
- My Specialty and Quality Programs
- Education Programs
- ACS Theatre
- Advocacy and Health Policy
- Surgeon Specific Registry
- MyCME
- ACS Publications
- ACS Central Shop

The following ACS exhibits will be located on the street level in the South Lobby of the Moscone Center:

- Become a Member
- ACS Foundation
- ACSPA-SurgeonsPAC

South Lobby exhibit hours

Sunday, October 27	7:00 am-6:00 pm
Monday, October 28	6:30 am-5:00 pm
Tuesday, October 29	7:00 am-4:00 pm
Wednesday, October 30	7:00 am-4:00 pm
Thursday, October 31	7:00-10:00 am

ACS Career Fair

Monday-Wednesday, October 28-30

9:00 am-4:30 pm

The ACS Career Fair is a recruiting event with representatives from more than 20 hospitals, private practices, and health care organizations from across the country. These representatives are looking to meet with interested candidates from a variety of surgical specialties. All levels of ACS

members—from residents to early-, mid-, and late-career surgeons—should visit the ACS Career Fair.

The ACS Career Fair will also include the ACS Surgery Career Connection booth so that you can review all available surgeon positions posted on the career site. Talk to a representative about how the ACS career site can facilitate your job search. Experts will be on hand to review resumes and provide interview tips.

Technical Exhibits

The Technical Exhibition comprises nearly 200 companies displaying their products and services.

The exhibition provides an excellent opportunity to explore the surgical marketplace by comparing products firsthand and planning purchases.

Technical Exhibits will be located at the Moscone Center, Halls ABC, and will be open at the following times:

Monday, October 28	9:00 am-4:30 pm
Tuesday, October 29	9:00 am-4:30 pm
Wednesday, October 30	9:00 am-4:30 pm

The Surgical Metrics Project

Monday-Wednesday, October 28-30

9:00 am-4:30 pm

Exhibit Hall

Open to surgeons at all levels—project participants will use wearable technologies to capture surgical decision making and technical approaches during a common operative task.

ACS Logo Merchandise

ACS exclusive logo merchandise will be available for purchase at the ACS Central Shop located at the Moscone Center, Halls ABC in ACS Central. The hours of operation are as follows:

Monday, October 28	9:00 am-4:30 pm
Tuesday, October 29	9:00 am-4:30 pm
Wednesday, October 30	9:00 am-4:30 pm

CompuLEAD Recording System

To expedite your visits with the exhibitors, the College continues to use the enhanced LEAD retrieval system that has been used in past years. If you want to receive information from a company, present your badge to the sales representative. The bar code that contains your contact information will be scanned through the data recorder and the exhibitor will have the information to instantly fill your request.

Child Policy

The ACS policy regarding children is as follows:

- Children under 16 years of age are not permitted on exhibit floor.
- Children ages 16 and older must have a badge to enter exhibit area.

This policy includes infants in strollers and arms. See pages 10-11 for information on the ACS child care program.

Housing Information

Representatives from onPeak will be available to answer any questions regarding hotel reservations. Attendees will also be able to modify a current reservation or make new reservations. The Housing Information Desk is located in the Moscone Center, South Lobby and will be open during registration hours (phone: 415-978-3624). If you need assistance during non-registration hours, an onPeak representative will be available at 312-527-7387.

Make your hotel reservation for the Clinical Congress 2020 in Chicago, IL, at the Housing Information Desk. Representatives will be available to answer any questions that you have regarding participating hotels.

Shuttle Bus Service

The ACS provides complimentary shuttle bus service between most designated hotels in the ACS block and the Moscone Center. The complimentary shuttle bus service will run on the following schedule:

Daily Time Schedule

Sunday, October 27	6:30 am-6:00 pm 8:00-9:45 pm*
Monday, October 28	5:30 am-6:15 pm
Tuesday, October 29	6:30 am-6:15 pm
Wednesday, October 30	6:30 am-7:15 pm
Thursday, October 31	6:30-11:45 am

* On Sunday, October 27, Shuttle Service will run additionally from 8:00-9:45 pm from the Moscone Center to hotels on all routes.

Frequency from 6:30-9:30 am and 3:30 pm onward will be every 15 to 20 minutes. Frequency from 9:30 am-3:30 pm will be every 30 minutes.

Note: Shuttle bus times and routes are subject to change. Check your hotel lobby for the most up-to-date schedule and routes. For hotel shuttle information or special needs transportation, call 877-884-2455.

Lost and Found

Lost and Found areas are located in the ACS Convention Office in Nob Hill 1 at the Hilton San Francisco Union Square and in the Convention and Exhibit Office at the Moscone Center, Hall D.

Prayer Room

A prayer room will be available during the meeting and will be located at the Moscone Center, Room 117.

Speaker Ready Room

The Speaker Ready Room is located at the Moscone Center in Hall D, Lower Level. Days and hours of operation are as follows:

Saturday, October 26	7:30 am-4:00 pm
Sunday, October 27	7:00 am-5:00 pm
Monday, October 28	6:30 am-6:00 pm
Tuesday, October 29	6:30 am-6:00 pm
Wednesday, October 30	6:30 am-6:00 pm
Thursday, October 31	6:30-11:00 am

It is requested that all speakers visit the Speaker Ready Room at least four hours in advance of their presentation time to verify the receipt of presentations. Speakers who have not submitted their presentations via the advance submission website or have audio and/or video clips must check in to ensure the proper loading and integrity of presentations.

First Aid Facilities/Lactation Room

The first aid offices will be located at the Moscone Center, in the South building, Hall C Lobby, and in the West Building, L1 Expo Hall. The lactation room is located in Room 116. The hours of operation are as follows:

Sunday, October 27	7:00 am-6:00 pm
Monday, October 28	6:30 am-6:00 pm
Tuesday, October 29	7:00 am-6:00 pm
Wednesday, October 30	7:00 am-6:00 pm
Thursday, October 31	7:00 am-5:00 pm

Friends of Bill W.

Friends of Bill W. will meet Sunday, October 27 through Wednesday, October 30, 7:00-8:30 pm, at the Hilton San Francisco Union Square, Seacliff Room.

Future Meetings

2020 Chicago, IL	October 4-8
2021 Washington, DC	October 24-28
2022 San Diego, CA	October 16-20

Guest Program and Child Care

The following activities are available to all registered attendees and registered guests. Tickets are distributed based on availability and may be purchased at Registration at the Moscone Center or at Guest Program Registration at the Hilton San Francisco Union Square.

Sunday, October 27

9:30 am–4:30 pm

Picnic in Sonoma: \$365 per person

10:00 am–1:30 pm

Cable Car San Francisco Highlights Sightseeing Tour: \$173 per person

3:00–8:30 pm

Alcatraz Island and Dinner: \$315 per person

Monday, October 28

6:00–7:00 am

Yoga Class: \$10 per person

6:00–7:00 am

5K City Running Tour: \$10 per person

9:00 am–3:00 pm

Silicon Valley Tour: \$175 per person

10:00 am–12:00 noon

SFMOMA Treasures: \$100 per person

10:30 am–2:30 pm

Bike the Bridge with Lunch: \$225 per person

5:00–8:30 pm

Buffet on the Bay: \$250 per person

Tuesday, October 29

6:00–7:00 am

Yoga Class: \$10 per person

6:00–7:00 am

5K City Running Tour: \$10 per person

10:00 am–1:30 pm

Oracle Park and Lunch: \$135 per person

10:00 am–4:00 pm

Napa Bubbles and Brix: \$335 per person

11:00 am–2:00 pm

Chinatown Guided Walk and Lunch: \$90 per person

5:00–9:00 pm

Cable Car San Francisco Highlights Progressive Dinner Tour: \$335 per person

Wednesday, October 30

6:00–7:00 am

Yoga Class: \$10 per person

6:00–7:00 am

5K City Running Tour: \$10 per person

8:30 am–1:30 pm

Alcatraz Island Tour: \$115 per person

10:00 am–2:00 pm

Behind the Science with Lunch: \$240 per person

2:00–5:00 pm

Urban Wine Tour: \$276 per person

Guest Program Tour Departures

IMPORTANT NOTE: All tours will depart from and return to the Hilton San Francisco Union Square unless otherwise noted. Please meet in the lobby of the hotel unless otherwise indicated. We recommend that you arrive at least 15 minutes before the scheduled tour time and wear comfortable walking shoes for all tours. Unless otherwise indicated, all lunches and dinners referred to are included in the price of the tour. Tours will be held rain or shine, unless otherwise notified.

Refund Policy

The Guest Registration fee is nonrefundable. The tour cancellation deadline has passed and no refunds for cancellations can be given due to commitments made. This policy is strictly enforced.

Child Policy

Children younger than 18 years old must be accompanied by an adult on all tours. Please refer to each tour description for any specific age restrictions for the tours. Tour tickets for children may be ordered as additional tickets on the parent's guest registration form. Please note on the form that the extra tickets are for children and list their full names and ages. Young adults ages 16 and older must be registered as a guest and pay the registration fee to participate in Congress activities. Please note that the ACS reserves the right to refuse boarding of a tour bus by anyone not complying with our age restrictions.

Child Care / Camp ACS

ACCENT on Children's Arrangements Inc. is partnering with the ACS to provide an on-site children's program tailored especially for the children of ACS Members. Children ages six months to 17 years are welcome to participate in Camp ACS.

Camp ACS is located at the San Francisco Marriott Marquis. On-site registration will be available on a space-available basis.

ACCENT will serve juice and healthy snacks. Parents and guardians will be responsible for their children's meals. Lunch hour is 12:00 noon-1:00 pm.

Hours of Operation:

Sunday, October 27 to Wednesday, October 30
7:30 am-10:00 pm

If you have questions, please stop by the Camp ACS registration desk at the San Francisco Marriott Marquis, or call the hotel at (415) 896-1600 and ask to be connected to the Camp ACS desk.

Little Medical School

Little Medical School is an educational enrichment program prepared by board-certified physicians and educators that gives children the opportunity to explore the world of medicine, science, and health in an engaging and fun way. Available for children ages two years and older, this optional program is offered as an add-on option to Camp ACS. Little Medical School will be held at the San Francisco Marriott Marquis, and will be supervised by our licensed child care provider.

Monday, October 28

9:00am-12:00 noon

San Francisco Marriott Marquis: \$30 per child

Clinical Congress 2019: Track and Session Key

Key for Designated Tracks

Basic / Translational Research	BTR
Colon and Rectal Surgery	CRS
Cardiothoracic Surgery	CTS
Education / Outcomes and Safety	EDU
Ethics	ETH
General Surgery	GEN
Geriatric / Palliative Care	GER
Health Policy: Practice Management / Reimbursement / Liability Issues	HP
Informatics	INFO
International	INT
Neurosurgery	NEU
Obstetrics and Gynecology	OBG
Ophthalmic Surgery	OPHTHO
Orthopaedic Surgery	ORT
Otolaryngology–Head and Neck Surgery	OTO
Pediatric Surgery	PED
Plastic and Maxillofacial Surgery	PLA
Residents / Medical Students	RES-MED
Rural Surgery	RUS
Surgical Humanitarian Outreach	HUM
Surgical Oncology	ONC
Trauma / Critical Care	TRA
Urology	URO
Vascular Surgery	VAS

Key for Session/Course Codes

Didactic Courses	DC
Meet-the-Expert Sessions	ME
Named Lectures	NL
Panel Sessions	PS
Surgical Skills Courses	SC
Scientific Forum Sessions	SF
Scientific Forum e-Poster Sessions	SP
Special Interest Sessions	SI
Special Sessions	SL
Town Hall Meetings	TH
Video-Based Education Sessions	VE

Key for Credit to Address Regulatory Mandates

Cultural Competency	CC
Domestic Violence	DV
Ethics	E
Geriatric	GER
Opioid/Pain Management	OPM
Palliative Care	PA
Patient Safety	PtS

Key for Credit to Address ACS Accreditation/ Verification Requirements

Bariatric Surgery	MBS
Breast	BST
Cancer	C
Geriatric Surgery	GS
Pediatric Surgery	PEDS
Trauma	T

Sessions-at-a-Glance by Track

KEY TO SESSION/COURSE CODES

DC	Didactic Course
ME	Meet-the-Expert Session
NL	Named Lecture
PS	Panel Session
SC	Surgical Skills Course
SF	Scientific Forum
SI	Special Interest Session
TH	Town Hall Meeting
VE	Video-Based Session

LOCATION ABBREVIATIONS

MW	Moscone West
MS	Moscone South
MN	Moscone North
SFMM	San Francisco Marriott Marquis
HSF	Hilton San Francisco
UCSF STF	University of California San Francisco Surgical Training Facility
UCSF ALC	University of California San Francisco Anatomy Learning Center

Ⓢ DC, ME, and SC Courses are Ticketed Sessions

Ⓦ Webcast session (Webcast package available for purchase)

🔊 Audio session (Audio available for purchase)

BASIC / TRANSLATIONAL RESEARCH (BTR)

MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS107	Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer	MS 153	Ⓦ 🔊
9:45-11:15	SP105	e-Posters I	MS 201-203	
2:30-4:00	SF116	Bariatric/Foregut I	MS 158	
2:30-4:00	SF121	Transplantation and Tissue Engineering I	MN 20	
2:30-4:00	SP115	e-Posters II	MS 201-203	
4:15-5:00	NL04	I.S. Ravdin Lecture in the Basic and Surgical Sciences: Response to Injury: The Genomic Storm and Precision Medicine	MW 3014-3018	
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	PS205	SESAP 17 [®] Advanced: Previews to Sharpen Your Practice	MW 2002-2004	Ⓦ 🔊
8:00-9:30	SF201	Bariatric/Foregut II	MS 153	
9:45-11:15	SP210	e-Posters III	MS 201-203	
12:45-2:15	SF214	Bariatric/Foregut III	MN 23	
12:45-2:15	SF218	Transplantation and Tissue Engineering II	MS 159	
2:30-4:00	SP220	e-Posters IV	MS 201-203	
WEDNESDAY, OCTOBER 30			ROOM	
9:45-11:15	PS313	Surgeon's Role in Manipulating the Microbiome to Improve Outcomes following Cancer Surgery	MW 3020-3022	Ⓦ 🔊
9:45-11:15	PS314	Immunotherapy in the Treatment of Solid Tumors: Emerging Roles of the Surgeon	MS 301-302	Ⓦ 🔊
9:45-11:15	SP310	e-Posters V	MS 201-203	
12:45-2:15	SF314	Bariatric/Foregut IV	MN 20	
2:30-4:00	PS331	Blood Product Transfusion: The Sum of the Parts Is Greater Than the Whole—Or Is It?	MS 301-302	Ⓦ 🔊
2:30-4:00	SP320	e-Posters VI	MS 201-203	
4:15-5:45	PS338	Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics	MS 303-304	Ⓦ 🔊

CARDIOTHORACIC SURGERY (CTS)

SUNDAY, OCTOBER 27			ROOM	
8:00-12:15	SC04A	Surgical Endoscopy: Essential Skills in Foregut Surgery (Lecture Only) Ⓢ	MW 2001	
8:00-5:30	SC04B	Surgical Endoscopy: Essential Skills in Foregut Surgery (Lecture and Lab) Ⓢ	MW 2014-2018	
MONDAY, OCTOBER 28			ROOM	
9:45-10:45	NL02	John H. Gibbon, Jr. Lecture: Innovation: A Surgical Imperative	MS 303-304	🔊
9:45-11:15	PS107	Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer	MS 153	Ⓦ 🔊
9:45-11:15	SF102	Cardiac Surgery I	MN 22	
11:30-1:00	PS111	Vulnerable Elderly: Optimizing Care for the Frail Patient	MS 303-304	Ⓦ 🔊
1:15-2:15	ME102	Anti-Reflux Gadgets and Gimmicks Ⓢ	MS 50-62	
1:15-2:15	ME114	Robotic Cardiothoracic Surgery Ⓢ	MS 104	
4:15-5:45	SF123	Cardiac Surgery II	MS 158	
6:00-9:00	SI106	Cardiothoracic Surgery in Your Future: Hands-On Practice for Residents and Medical Students	Marriott Marquis Salon 9	
TUESDAY, OCTOBER 29			ROOM	
9:45-11:15	PS213	Tangibles of Teaching: How Medical Student Education Can Enhance Your Practice	MS 158	Ⓦ 🔊
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203	
12:45-2:15	PS219	Endoscopic Intramural Surgery: POEM, POP, and POD	MW 2002-2004	Ⓦ 🔊
12:45-2:15	PS221	Opportunities for Women to Excel in Cardiothoracic Surgery	MW 2006-2008	Ⓦ 🔊
12:45-2:15	SF217	Thoracic Surgery I	MN 20	
12:45-4:00	VE206	Cardiothoracic Surgery	MS 306-308	
2:30-4:00	PS225	Paraesophageal Hernias: When and How to Operate in 2019	MW 3014-3018	Ⓦ 🔊
4:15-5:45	PS231	General Surgeons as the GERD Experts in the Community	MS 205-208, 213-216	Ⓦ 🔊
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS301	Enhanced Recovery After Surgery (ERAS) Pathways for General Thoracic Surgery	MW Ballroom	Ⓦ 🔊
8:00-9:30	PS304	Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration	MW 3014-3018	Ⓦ 🔊

CARDIOTHORACIC SURGERY (CTS) cont.				
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS307	To Stent or Not to Stent? Appropriateness of Endovascular Care	MW 3020-3022	(W) (U)
9:45-11:15	PS314	Immunotherapy in the Treatment of Solid Tumors: Emerging Roles of the Surgeon	MS 301-302	(W) (U)
9:45-11:15	SF312	Thoracic Surgery II	MN 23	
9:45-11:15	SP310	e-Posters V	MS 201-203	
2:30-4:00	SP320	e-Posters VI	MS 201-203	
4:15-5:45	PS335	Extra Corporeal Life Support (ECLS): What's the Role in Trauma?	MW 2006-2008	(W) (U)
4:15-5:45	PS336	The Current Status of Fetal Interventions for Congenital Anomalies	MS 301-302	(W) (U)
COLON AND RECTAL SURGERY (CRS)				
SUNDAY, OCTOBER 27			ROOM	
8:00-12:30	SC05A	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture Only) (S)	MW 2000	
8:00-5:30	SC05B	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture and Lab) (S)	UCSF-STF	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS101	Diverticulitis: Are the Answers Changing?	MS 205-208, 213-216	(W) (U)
9:45-11:15	PS107	Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer	MS 153	(W) (U)
9:45-11:15	SF103	Colon and Rectal Surgery I	MN 21	
11:30-1:00	PS110	Urinary Diversion after Urologic, Gynecologic, and General Surgical Procedures: Approaches, Consequences, and Considerations for Re-Operation	MW 2002-2004	(W) (U)
11:30-1:00	PS111	Vulnerable Elderly: Optimizing Care for the Frail Patient	MS 303-304	(W) (U)
1:00-5:30	SC09	Advanced Therapeutic Colonoscopy and Endoluminal Surgery (S)	Lecture: MW 2000, Lab: MW 2014-2018	
1:15-2:15	ME101	Anorectal Diseases (S)	MS 52-56	
2:30-4:00	PS114	Current Strategies in Management of Small Bowel Obstruction	MS 205-208, 213-216	(W) (U)
2:30-4:00	PS118	Clinical Trials in Personalized Medicine in Oncology	MS 160	(W) (U)
2:30-4:00	PS120	Agency for Healthcare Research and Quality (AHRQ) Safety Program for Improving Surgical Care and Recovery: What Can It Do For Your Patients?	MS 306-308	(W) (U)
2:30-4:00	SF117	Colon and Rectal Surgery II	MN 23	
2:30-4:00	SP115	e-Posters II	MS 201-203	
2:30-5:45	PS121	Multidisciplinary Management of Surgical Problems in the Pregnant Patient	MW 2002-2004	(W) (U)
4:15-5:45	PS124	Preventing Incisional Hernias: Do We Need Mesh or Better Surgical Skills?	MW Ballroom	(W) (U)

TUESDAY, OCTOBER 29			ROOM	
8:00-9:00	NL05	Herand Abcarian Lecture: How to Navigate a Second Career in Surgery	MW Ballroom	(U)
8:00-9:30	PS207	Management of Peritoneal Malignancies: Emerging Data in Heated Intraperitoneal Chemotherapy (HIPEC) and Other Strategies	MS 158	(W) (U)
9:45-11:15	PS201	Optimizing Outcomes of Rectal Cancer in 2019	MW 3014-3018	(W) (U)
9:45-11:15	PS209	Gastric and Gastroesophageal Junction Cancer: Latest Advances	MS 205-208, 213-216	(W) (U)
9:45-11:15	SF207	Colon and Rectal Surgery III	MN 22	
9:45-11:15	SP210	e-Posters III	MS 201-203	
11:30-12:30	ME207	Intracorporeal vs. Extracorporeal Anastomoses in Laparoscopic Bowel Surgery (S)	MS 50-62	
11:30-12:30	ME208	Laparoscopic Colectomy: Tips and Tricks (S)	MS 52-56	
12:45-2:15	PS218	Anastomotic Leaks: Are We Getting Closer to Understanding and Preventing Them?	MS 205-208, 213-216	(W) (U)
2:30-4:00	PS226	Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology	MS 301-302	(W) (U)
2:30-4:00	SF221	Colon and Rectal Surgery IV	MS 159	
4:15-5:45	PS236	Team-Based Approach to Pelvic Floor Problems: It Takes a Village	MW 2002-2004	(W) (U)
4:15-5:45	SF227	Colon and Rectal Surgery V	MN 22	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	SF301	Colon and Rectal Surgery VI	MS 152	
8:00-11:45	SC13A	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture Only) (S)	MW 2001	
8:00-5:30	SC13B	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture and Lab) (S)	UCSF-STF	
9:30-5:00	DC18	Transanal Techniques for Management of Rectal Polyps and Cancer (S)	MW 2005	
9:45-11:15	PS310	Optimizing the Care of Mesenteric Ischemia	MW Ballroom	(W) (U)
9:45-11:15	PS313	Surgeon's Role in Manipulating the Microbiome to Improve Outcomes following Cancer Surgery	MW 3020-3022	(W) (U)
9:45-11:15	PS314	Immunotherapy in the Treatment of Solid Tumors: Emerging Roles of the Surgeon	MS 301-302	(W) (U)
9:45-11:15	SP310	e-Posters V	MS 201-203	
11:30-12:30	ME301	Anal Neoplasia (S)	MS 102	
11:30-12:30	ME312	Pilonidal Disease: What Are My Options? (S)	MS 212	
12:45-2:15	VE306	Colon and Rectal Surgery I	MW 3020-3022	
THURSDAY, OCTOBER 31			ROOM	
8:00-9:30	VE401	Colon and Rectal Surgery II	MS 306-308	
9:45-11:15	PS403	Ten Hot Topics in Surgical Oncology	MS 301-302	(W) (U)

EDUCATION / OUTCOMES & SAFETY (EDU)				
SATURDAY, OCTOBER 26			ROOM	
9:00-4:30	DC03	Surgical Education: Principles and Practice (S)	MW 2007	
SUNDAY, OCTOBER 27			ROOM	
9:00-4:30	DC07	Quality Systems-Based Practice: Measure Twice, Cut Once! Optimizing Surgical Systems of Care (S)	MW 2007	
1:00-3:00	PS002	Resident and Associate Society—American College of Surgeons Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility?	MS 212	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS106	Women Pioneers in Surgery	MW 2006-2008	(W) (U)
9:45-11:15	SF107	Surgical Education I	MN 23	
11:30-1:00	PS113	You Treat Patients and Trainees Well: How about Yourself?	MS 154	(W) (U)
1:15-2:15	ME114	Robotic Cardiothoracic Surgery (S)	MS 104	
1:15-2:15	ME115	Using Emotional Intelligence to Optimize Your Professional Success (S)	MS 105	
2:30-4:00	SF120	Surgical Education II	MN 22	
2:30-4:00	SP115	e-Posters II	MS 201-203	
4:15-5:45	PS128	Dealing with the Difficult Patient: Survival Strategies	MS 160	(W) (U)
4:15-5:45	PS129	Surgeons Treating Chronic Wounds: Let's Go beyond Debridement	MS 154	(W) (U)
4:15-5:45	SF126	Surgical Education III	MN 22	
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	PS205	SESAP 17® Advanced: Previews to Sharpen Your Practice	MW 2002-2004	(W) (U)
8:00-9:30	SF205	Surgical Education IV	MN 23	
8:00-12:30	SC10A	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture Only) (S)	MW 2001	
8:00-5:30	SC10B	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture and Lab) (S)	MW 2014-2018	
8:30-12:45	DC14	Put PEP in Your Step: Empowerment Practices in Leadership Development (S)	MW 2005	
9:45-11:15	PS215	Intimate Partner Violence and the Surgical Workforce	MS 153	(W) (U)
9:45-11:15	PS216	What You Need to Know to Protect Yourself from Being Mislabeled a "Disruptive Surgeon"	MS 154	(W) (U)
12:45-2:15	PS220	There's an App for That: How Technology Is Reshaping Pre- and Postoperative Outpatient Surgery	MS 301-302	(W) (U)
2:30-4:00	SP220	e-Posters IV	MS 201-203	
4:15-5:45	PS235	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	MW 2006-2008	(W) (U)

WEDNESDAY, OCTOBER 30			ROOM	
7:00-7:45	TH309	Surgical Resident Wellness Initiatives: Overcoming Common Barriers to Successful Implementation	MS 152	
8:00-9:30	PS301	Enhanced Recovery after Surgery (ERAS) Pathways for General Thoracic Surgery	MW Ballroom	(W) (U)
8:00-9:30	PS304	Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration	MW 3014-3018	(W) (U)
8:00-9:30	PS306	MeTooSurgery: Tools for Addressing and Preventing Sexual Harassment in the Surgical Workplace	MN 25	(W) (U)
8:00-9:30	PS308	Integrative Medicine for Surgical Patients: East Meets West and Beyond	MS 154	(W) (U)
8:00-9:30	SF305	Surgical Education V	MS 160	
9:45-11:15	PS311	Upgrading Your Surgical Skills through Preceptorship	MS 154	(W) (U)
9:45-11:15	PS316	The Challenges of Children: Supporting Surgical Trainees during Pregnancy and Beyond	MN 25	(W) (U)
10:00-2:15	DC17	Health Literacy: Optimizing Care for the Underserved Populations (S)	MW 2003	
12:45-2:15	SF317	Surgical Education VI	MN 23	
1:15-5:30	DC19	Managing Your Team in the Operating Room (S)	MW 2007	
2:30-4:00	PS328	The Surgeon's Role in Solving the Opioid Crisis	MS 303-304	(W) (U)
2:30-4:00	PS329	Diversity Matters	MW 2006-2008	(W) (U)
2:30-4:00	SP320	e-Posters VI	MS 201-203	
4:15-5:45	PS338	Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics	MS 303-304	(W) (U)
ETHICS (ETH)				
SATURDAY, OCTOBER 26			ROOM	
12:30-4:45	DC04	Ethical Issues in Geriatric Surgical Care (S)	MW 2003	
SUNDAY, OCTOBER 27			ROOM	
1:00-3:00	PS002	Resident and Associate Society—American College of Surgeons Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility?	MS 212	
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	SF108	Ethics	MN 23	
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care (S)	MW 2007	
4:15-5:45	PS128	Dealing with the Difficult Patient: Survival Strategies	MS 160	(W) (U)

ETHICS (ETH) cont.				
TUESDAY, OCTOBER 29			ROOM	
7:00-7:45	TH204	Palliative Care: How to Integrate Palliative Care in Your Practice as a Surgeon	MS 159	
9:45-11:15	PS216	What You Need to Know to Protect Yourself from Being Misabeled a "Disruptive Surgeon"	MS 154	(W) (U)
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death (S)	MS 310-311	
2:30-4:00	PS228	Gender Inequality	MS 154	(W) (U)
2:30-5:45	PS230	Ethics Colloquium: The Ethics of Extraordinary Care	MS 153	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS306	MeTooSurgery: Tools for Addressing and Preventing Sexual Harassment in the Surgical Workplace	MN 25	(W) (U)
9:45-10:45	NL10	John J. Conley Ethics and Philosophy Lecture: What We Talk about When We Talk about Surgery	MS 303-304	(U)
12:45-2:15	PS321	Is My Patient Going to Die? Integrating Calculations in Surgical Planning	MW 2006-2008	(W) (U)
12:45-2:15	PS323	Should Surgeons Care for Their Family Members?	MS 303-304	(W) (U)
GENERAL SURGERY (GEN)				
SATURDAY, OCTOBER 26			ROOM	
8:00-11:45	SC02A	Advanced Robotic Surgery for Complex Abdominal Cancers (Lecture Only) (S)	MW 2000	
8:00-3:30	DC01	Emergency General Surgery Update (S)	MW 2010	
8:00-5:30	SC02B	Advanced Robotic Surgery for Complex Abdominal Cancers (Lecture and Lab) (S)	UCSF-ALC	
SUNDAY, OCTOBER 27			ROOM	
7:00-4:30	PS001	Excelsior: Military-Civilian Partnerships for Training, Sustaining, and Retraining	Hilton San Francisco Union Square Continental Ballroom 7-8	
8:00-12:15	SC04A	Surgical Endoscopy: Essential Skills in Foregut Surgery (Lecture Only) (S)	MW 2001	
8:00-12:30	SC05A	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture Only) (S)	MW 2000	
8:00-5:30	SC04B	Surgical Endoscopy: Essential Skills in Foregut Surgery (Lecture and Lab) (S)	MW 2014-2018	
8:00-5:30	SC05B	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture and Lab) (S)	UCSF-STF	
8:15-5:30	SC06	Thyroid, Parathyroid, and Neck Ultrasound (S)	MW 2020-2022	
8:30-4:00	DC06	Designing and Running a Prospective Surgical Clinical Trial (S)	MW 2003	

1:00-3:00	PS002	Resident and Associate Society-American College of Surgeons Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility?	MS 212	
MONDAY, OCTOBER 28			ROOM	
9:00-9:30	NL01	Martin Memorial Lecture: The Health of the Supreme Court	MW Ballroom	(U)
9:45-10:45	NL01A	Meet and Greet with Nina Totenberg	MW 3024	
9:45-11:15	PS101	Diverticulitis: Are the Answers Changing?	MS 205-208, 213-216	(W) (U)
9:45-11:15	PS102	Necrotizing Pancreatitis: Dealing with a Devastating Disease	MW 3014-3018	(W) (U)
9:45-11:15	PS105	Skinny the Wrong Way: Orthopaedic Issues and Bariatric Surgery	MW 2002-2004	(W) (U)
9:45-11:15	PS107	Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer	MS 153	(W) (U)
9:45-11:15	SP105	e-Posters I	MS 201-203	
9:45-11:15	VE101	Bariatric Surgery I	MS 306-308	
9:45-12:15	SC07A	Transoral Thyroidectomy (Lecture Only) (S)	MW 2000	
9:45-1:00	VE102	General Surgery I—Gastrointestinal Disease	MW 3020-3022	
9:45-5:30	SC07B	Transoral Thyroidectomy (Lecture and Lab) (S)	UCSF-STF	
10:00-5:00	DC11-1	General Surgery Review Course (Day 1) (S)	MS 156	
11:30-1:00	PS108	The Gall Bladder: Dealing with the Acute Gallbladder	MW Ballroom	(W) (U)
11:30-1:00	PS109	Multidisciplinary Management of Breast Cancer	MS 205-208, 213-216	(W) (U)
11:30-1:00	PS110	Urinary Diversion after Urologic, Gynecologic, and General Surgical Procedures: Approaches, Consequences, and Considerations for Re-Operation	MW 2002-2004	(W) (U)
11:30-1:00	PS111	Vulnerable Elderly: Optimizing Care for the Frail Patient	MS 303-304	(W) (U)
11:30-1:00	PS113	You Treat Patients and Trainees Well: How about Yourself?	MS 154	(W) (U)
11:30-1:00	SF109	General Surgery I	MN 22	
11:30-1:00	SF113	Trauma/Burn/Critical Care I	MN 21	
11:30-1:00	VE104	Subject-Oriented Symposium I—Challenging Hernias	MS 306-308	
1:00-5:15	SC08	Ultrasound-Guided Resuscitation for Trauma and Critically Ill Patients (S)	MW 2020-2022	
1:00-5:30	SC09	Advanced Therapeutic Colonoscopy and Endoluminal Surgery (S)	Lecture: MW 2000, Lab: MW 2014-2018	
1:15-2:15	ME102	Anti-Reflux Gadgets and Gimmicks (S)	MS 50-62	
1:15-2:15	ME103	Approaches to Acute Pancreatitis (S)	MS 101	
1:15-2:15	ME104	Bariatric Surgery for the General Surgeon (S)	MS 102	
1:15-2:15	ME105	Breast Cancer Management in 2019 (S)	MS 209	
1:15-2:15	ME106	What Just Happened? Dealing with Devastating Complications (S)	MS 204	

GENERAL SURGERY (GEN) cont.				
MONDAY, OCTOBER 28			ROOM	
1:15-2:15	ME107	Critical Issues in Laparoscopic Ventral Hernia Repair (S)	MS 212	
1:15-2:15	ME108	Enteral Access for Nutrition (S)	MS 305-309	
1:15-2:15	ME111	Minimally Invasive Parathyroidectomy (S)	MS 313	
1:15-2:15	ME114	Robotic Cardiothoracic Surgery (S)	MS 104	
1:15-2:15	ME115	Using Emotional Intelligence to Optimize Your Professional Success (S)	MS 105	
1:15-2:15	SL01	ACS Academy of Master Surgeon Educators™	MS 303-304	
2:30-3:30	NL03	Charles G. Drake History of Surgery Lecture: From Surgical Burnout to Wellness: The Secret to a Balanced Life	MS 303-304	(W) (U)
2:30-4:00	PS114	Current Strategies in Management of Small Bowel Obstruction	MS 205-208, 213-216	(W) (U)
2:30-4:00	PS115	Complex Abdominal Wall Hernias	MW Ballroom	(W) (U)
2:30-4:00	PS116	Parathyroidectomy for Primary Hyperparathyroidism: What's New?	MS 301-302	(W) (U)
2:30-4:00	PS117	Initiates Program: Strategies for Success in Surgery	MS 159	
2:30-4:00	PS118	Clinical Trials in Personalized Medicine in Oncology	MS 160	(W) (U)
2:30-4:00	PS120	Agency for Healthcare Research and Quality (AHRQ) Safety Program for Improving Surgical Care and Recovery: What Can It Do For Your Patients?	MS 306-308	(W) (U)
2:30-4:00	SF116	Bariatric/Foregut I	MS 158	
2:30-4:00	SF118	Hepatobiliary and Pancreas I	MS 153	
2:30-4:00	SF121	Transplantation and Tissue Engineering I	MN 20	
2:30-4:00	SP115	e-Posters II	MS 201-203	
2:30-5:45	PS121	Multidisciplinary Management of Surgical Problems in the Pregnant Patient	MW 2002-2004	(W) (U)
2:30-5:45	PS122	Latin America Day (Spanish)—Día Hispano Frente Ecuemínico Latinoamericano Caribeño (FELAC): Fantasía o Realidad?	MW 2006-2008	
2:30-5:45	VE106	Challenging and Unusual Problems in Surgery	MW 3020-3022	
4:15-5:00	NL04	I.S. Ravdin Lecture in the Basic and Surgical Sciences: Response to Injury: The Genomic Storm and Precision Medicine	MW 3014-3018	(U)
4:15-5:45	PS123	Antibiotics for Appendicitis? No Consensus Yet	MS 303-304	(W) (U)
4:15-5:45	PS124	Preventing Incisional Hernias: Do We Need Mesh or Better Surgical Skills?	MW Ballroom	(W) (U)
4:15-5:45	PS125	Dealing with the Impaired Physician: What to Do When It Is Your Trainee or Your Partner?	MS 159	(W) (U)
4:15-5:45	PS128	Dealing with the Difficult Patient: Survival Strategies	MS 160	(W) (U)
4:15-5:45	PS129	Surgeons Treating Chronic Wounds: Let's Go Beyond Debridement	MS 154	(W) (U)
4:15-5:45	PS130	Hot Topics in Endocrine Surgery	MN 23	(W) (U)
4:15-5:45	SF122	Breast I	MS 153	
4:15-5:45	SF124	General Surgery II	MN 20	
4:15-5:45	VE108	Pancreas Surgery I	MS 152	

TUESDAY, OCTOBER 29			ROOM	
7:00-7:45	TH202	Carrying the Weight: How to Deal with Complications as a New Surgeon	MN 20	
7:00-7:45	TH203	Avoiding Personal Financial Nightmares in a Surgical Career	MN 21	
7:00-7:45	TH204	Palliative Care: How to Integrate Palliative Care in Your Practice as a Surgeon	MS 159	
7:00-7:45	TH205	Structural Violence and Disparity Affecting Surgical Outcomes: How Can We Be Part of the Solution?	MS 160	
7:00-7:45	TH206	How Can Mindfulness Improve Your Surgical Skills?	MS 158	
7:00-7:45	TH208	How Does Continuous Certification Work? A Town Hall from the American Board of Surgery	MS 151	
7:00-7:45	TH209	What is Futile Care in Emergency Surgery?	MS 152	
7:00-4:00	SI209	Cracking the Code to Clinical Trial Enrollment: How to Start and Who Can Help	MN 113-114	
8:00-9:00	NL05	Herand Abcarian Lecture: How to Navigate a Second Career in Surgery	MW Ballroom	(U)
8:00-9:30	PS202	Current Management of Upper Gastrointestinal (GI) Bleeding: The Role of Surgery, Endoscopy, and Interventional Radiology	MW 2006-2008	(W) (U)
8:00-9:30	PS204	Current Options in the Management of Hemodialysis Access	MS 301-302	(W) (U)
8:00-9:30	PS205	SESAP 17® Advanced: Previews to Sharpen Your Practice	MW 2002-2004	(W) (U)
8:00-9:30	SF201	Bariatric/Foregut II	MS 153	
8:00-9:30	SF202	Endocrine Surgery I	MN 22	
8:00-9:30	SF203	Hepatobiliary and Pancreas II	MN 20	
8:00-9:30	SF206	Trauma/Burn/Critical Care II	MS 159	
8:00-11:15	PS208	Spectacular Cases	MN 25	
8:00-12:15	SC10A	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture Only) (S)	MW 2001	
8:00-3:30	DC13	Successful Management of Your Private Practice (S)	MW 2003	
8:00-4:00	DC11-2	General Surgery Review Course (Day 2) (S)	MS 156	
8:00-5:30	SC10B	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture and Lab) (S)	MW 2014-2018	
8:30-11:45	SC11A	Fundamentals of Oncoplastic Breast Surgery (Lecture Only) (S)	MW 2000	
8:30-12:45	DC14	Put PEP in Your Step: Empowerment Practices in Leadership Development (S)	MW 2005	
8:30-4:00	SC11B	Fundamentals of Oncoplastic Breast Surgery (Lecture and Lab) (S)	MW 2009-2011	
9:00-4:30	DC15	Endoscopy: Updates (S)	MW 2007	
9:45-10:45	NL06	Excelsior Surgical Society/Edward D. Churchill Lecture: Blood and the Moving Wheels of History	MS 303-304	(U)
9:45-11:15	PS201	Optimizing Outcomes of Rectal Cancer in 2019	MW 3014-3018	(W) (U)
9:45-11:15	PS209	Gastric and Gastroesophageal Junction Cancer: Latest Advances	MS 205-208, 213-216	(W) (U)

GENERAL SURGERY (GEN) cont.					
TUESDAY, OCTOBER 29			ROOM		
9:45-11:15	PS210	Laparoscopic Common Bile Duct Exploration: When and How?	MW Ballroom	(W) (U)	
9:45-11:15	PS212	Antibiotic Stewardship: A Professional Responsibility	MW 2006-2008	(W) (U)	
9:45-11:15	PS213	Tangibles of Teaching: How Medical Student Education Can Enhance Your Practice	MS 158	(W) (U)	
9:45-11:15	PS214	Liver Transplantation: How Can We Increase the Number of Donors/ Transplants and Create Innovative New Strategies?	MS 301-302	(W) (U)	
9:45-11:15	PS215	Intimate Partner Violence and the Surgical Workforce	MS 153	(W) (U)	
9:45-11:15	SF208	General Surgery III	MN 20		
9:45-11:15	SF212	Trauma/Burn/Critical Care III	MN 21		
9:45-11:15	SP210	e-Posters III	MS 201-203		
9:45-11:15	VE201	Bariatric Surgery II	MS 151		
9:45-11:15	VE202	Subject-Oriented Symposium II—New Surgical Technology	MW 3020-3022		
9:45-11:15	VE203	Hepatobiliary Surgery I	MS 306-308		
11:30-12:30	ME201	Abdominal Compartment Syndrome (ACS) (S)	MS 204		
11:30-12:30	ME202	Approaches to Nipple-Sparing Mastectomy (S)	MS 212		
11:30-12:30	ME203	Assessing Chronic Pain following Inguinal Hernia Repair (S)	MS 305-309		
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death (S)	MS 310-311		
11:30-12:30	ME205	Evaluation and Management of Pancreatic Cyst (S)	MS 312		
11:30-12:30	ME206	Gastrointestinal Stromal Tumors (GIST) (S)	MS 313		
11:30-12:30	ME209	Medullary Thyroid Cancer: What You Need to Know (S)	MS 101		
11:30-12:30	ME213	Reoperative Parathyroid Surgery (S)	MS 104		
11:30-12:30	ME215	Sports Hernia: How to Diagnose and Understand Management Options (S)	MS 58-60		
11:30-12:30	SL02	ACS Membership Survey Results on Firearm Injury Prevention	MW Ballroom		
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203		
11:30-12:30	VE204	Icons in Surgery I	MW 3020-3022		
12:45-2:15	PS217	More Than BRCA: Genetic Testing for Breast Cancer 2019	MW 3014-3018	(W) (U)	
12:45-2:15	PS218	Anastomotic Leaks: Are We Getting Closer to Understanding and Preventing Them?	MS 205-208, 213-216	(W) (U)	
12:45-2:15	PS219	Endoscopic Intramural Surgery: POEM, POP, and POD	MW 2002-2004	(W) (U)	
12:45-2:15	PS220	There's an App for That: How Technology Is Reshaping Pre- and Postoperative Outpatient Surgery	MS 301-302	(W) (U)	
12:45-2:15	PS222	Management of the Nodal Basin in the Melanoma Patient	MS 154	(W) (U)	
12:45-2:15	SF214	Bariatric/Foregut III	MN 23		
12:45-2:15	SF218	Transplantation and Tissue Engineering II	MS 159		
12:45-4:00	VE205	General Surgery II—Hernia	MW 3020-3022		
12:45-5:00	PS223	Association of Program Directors in Surgery (APDS) Panels	MS 303-304		
2:30-3:30	NL08	Olga M. Jonasson Lecture: Recapturing the Joy of Surgery	MS 205-208, 213-216	(U)	
2:30-4:00	PS224	Fournier's Gangrene and Other Necrotizing Infections: A Multidisciplinary Approach	MW Ballroom	(W) (U)	
2:30-4:00	PS225	Paraesophageal Hernias: When and How to Operate in 2019	MW 3014-3018	(W) (U)	
2:30-4:00	PS227	Avoiding Surgeon Burnout with Lifestyle Modification	MN 23	(W) (U)	
2:30-4:00	PS228	Gender Inequality	MS 154	(W) (U)	
2:30-4:00	PS229	Pediatric Trauma: What's New and Improved?	MW 2006-2008	(W) (U)	
2:30-4:00	PS237	Metabolic Surgery: Bariatric, Diabetes, and Chronic Traumatic Encephalopathy	MW 2002-2004	(W) (U)	
2:30-4:00	SF222	General Surgery IV	MN 21		
2:30-4:00	SF224	Hepatobiliary and Pancreas III	MN 20		
2:30-4:00	SF225	Trauma/Burn/Critical Care IV	MN 22		
2:30-4:00	SP220	e-Posters IV	MS 201-203		
2:30-4:00	VE209	Subject-Oriented Symposium III—Revisional Foregut Surgery	MS 158		
4:15-5:45	PS231	General Surgeons as the GERD Experts in the Community	MS 205-208, 213-216	(W) (U)	
4:15-5:45	PS232	Non-Bariatric Surgery in the Morbidly Obese Patient	MW Ballroom	(W) (U)	
4:15-5:45	PS236	Team-Based Approach to Pelvic Floor Problems: It Takes a Village	MW 2002-2004	(W) (U)	
4:15-5:45	SF226	Breast II	MN 21		
4:15-5:45	SF228	General Surgery V	MN 20		
4:15-5:45	SF231	Trauma/Burn/Critical Care V	MN 23		
4:15-5:45	VE210	International Video Session	MS 306-308		
4:15-5:45	VE211	Endocrine Surgery	MS 151		
6:30-8:30	VE212	Video Highlights of Clinical Congress 2018	Hilton San Francisco Union Square Plaza B		
WEDNESDAY, OCTOBER 30			ROOM		
7:00-7:45	TH301	Advocacy 101: Why and How to Get Involved and Make a Difference	MN 22		
7:00-7:45	TH302	Global Surgery and Opportunities for the Young Surgeon: How Can I Get Involved?	MN 20		
7:00-7:45	TH303	Grants, Publications, Deadlines: How to Build a Research Profile and Balance a Busy Clinical Career	MN 21		
7:00-7:45	TH304	LinkedIn, Doximity, ResearchGate, Twitter, and Facebook: What Tools and How to Use Them for Your Professional Development	MS 159		
7:00-7:45	TH305	Locum Tenens: Pros and Cons for the Surgeon	MS 160		
7:00-7:45	TH306	The Strength of Diversity Measured on Outcomes	MS 158		
8:00-9:30	PS301	Enhanced Recovery After Surgery (ERAS) Pathways for General Thoracic Surgery	MW Ballroom	(W) (U)	

GENERAL SURGERY (GEN) cont.				
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS302	Management of Complex Benign Breast Disease	MW 2006-2008	(W) (U)
8:00-9:30	PS305	Is There Life after the Operating Room? How Surgeons Approaching Retirement Can Continue to Contribute	MW 2002-2004	(W) (U)
8:00-9:30	PS307	To Stent or Not to Stent? Appropriateness of Endovascular Care	MW 3020-3022	(W) (U)
8:00-9:30	PS308	Integrative Medicine for Surgical Patients: East Meets West and Beyond	MS 154	(W) (U)
8:00-9:30	SF302	Endocrine Surgery II	MN 20	
8:00-9:30	SF303	General Surgery VI	MN 21	
8:00-9:30	SF306	Trauma/Burn/Critical Care VI	MN 22	
8:00-11:15	PS309	Surgical Jeopardy	MS 205-208, 213-216	
8:00-11:15	VE301	General Surgery III—Foregut	MS 306-308	
8:00-11:45	SC13A	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture Only) (S)	MW 2001	
8:00-5:30	SC13B	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture and Lab) (S)	UCSF-STF	
8:30-12:15	SC14A	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture Only) (S)	MW 2000	
8:30-5:00	SC14B	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture and Lab) (S)	MW 2009-2011	
9:45-11:15	PS310	Optimizing the Care of Mesenteric Ischemia	MW Ballroom	(W) (U)
9:45-11:15	PS311	Upgrading Your Surgical Skills through Preceptorship	MS 154	(W) (U)
9:45-11:15	PS312	Nutrition: Overfeeding, Underfeeding, and No Feeding	MW 3014-3018	(W) (U)
9:45-11:15	PS313	Surgeon's Role in Manipulating the Microbiome to Improve Outcomes following Cancer Surgery	MW 3020-3022	(W) (U)
9:45-11:15	PS315	What's the Future for General Surgery?	MW 2006-2008	(W) (U)
9:45-11:15	PS316	The Challenges of Children: Supporting Surgical Trainees during Pregnancy and Beyond	MN 25	(W) (U)
9:45-11:15	PS317	Highlights of the Multidisciplinary 2018 AAES Thyroidectomy Guidelines: An Expert Panel Discussion	MW 2002-2004	(W) (U)
9:45-11:15	SF307	Breast III	MN 21	
9:45-11:15	SF308	General Surgery VII	MN 22	
9:45-11:15	SF309	Hepatobiliary and Pancreas IV	MS 159	
9:45-11:15	SF313	Trauma/Burn/Critical Care VII	MN 20	
9:45-11:15	VE303	Subject-Oriented Symposium IV—Revisional Bariatric	MS 158	
11:30-12:30	ME302	Avoiding Thyroid Surgery Complications (S)	MS 50-62	
11:30-12:30	ME305	Evidence-Based Treatment of Incisional Hernia (S)	MS 209	
11:30-12:30	ME310	Necrotizing Soft-Tissue Infections (S)	MS 314	
11:30-12:30	ME311	Peritoneal Dialysis Catheters: Tips and Tricks (S)	MS 310-311	

11:30-12:30	ME313	Should I Be Using Molecular Testing for All Thyroid Follicular Lesions of Uncertain Significance (FLUS)? (S)	MS 313	
11:30-12:30	ME314	The Difficult Gallbladder: Tricks of the Trade (S)	MS 305-309	
11:30-12:30	VE305	Icons in Surgery II	MW 3020-3022	
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	(W) (U)
12:45-2:15	PS320	Minimally Invasive Endocrine Surgery: Is It Worth It?	MS 301-302	(W) (U)
12:45-2:15	PS321	Is My Patient Going to Die? Integrating Calculations in Surgical Planning	MW 2006-2008	(W) (U)
12:45-2:15	PS322	Surgery for Children: Who Can We Keep in the Rural Community?	MS 154	(W) (U)
12:45-2:15	PS324	Strategic Advocacy: How to Do It	MS 205-208, 213-216	(W) (U)
12:45-2:15	SF314	Bariatric/Foregut IV	MN 20	
12:45-2:15	SF316	Hepatobiliary and Pancreas V	MS 151	
12:45-4:00	PS325	The College's International Scholars and Travelers 2019	MS 153	
2:30-4:00	PS326	Sports Hernia: Have We Defined It, Decided How to Diagnose It, and Determined the Optimal Treatment?	MS 205-208, 213-216	(W) (U)
2:30-4:00	PS327	What's New in the Management of Pancreatic Cancer?	MW 3014-3018	(W) (U)
2:30-4:00	PS328	The Surgeon's Role in Solving the Opioid Crisis	MS 303-304	(W) (U)
2:30-4:00	PS330	Management of Hereditary Endocrine Syndromes	MW 2002-2004	(W) (U)
2:30-4:00	PS331	Blood Product Transfusion: The Sum of the Parts Is Greater Than the Whole—Or Is It?	MS 301-302	(W) (U)
2:30-4:00	SF319	General Surgery VIII	MN 22	
2:30-4:00	SF325	Trauma/Burn/Critical Care VIII	MS 152	
2:30-4:00	SP320	e-Posters VI	MS 201-203	
2:30-5:45	VE308	Hepatobiliary Surgery II	MS 151	
4:15-5:45	PS333	Negotiating Skills: More Than Just Your Contract	MS 306-308	(W) (U)
4:15-5:45	PS334	Depression and Suicide Prevention for Surgeons	MW 2002-2004	(W) (U)
4:15-5:45	PS335	Extra Corporeal Life Support (ECLS): What's the Role in Trauma?	MW 2006-2008	(W) (U)
4:15-5:45	PS337	Contemporary Trauma Controversies: Panel Debate	MS 205-208, 213-216	(W) (U)
4:15-5:45	PS338	Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics	MS 303-304	(W) (U)
4:15-5:45	VE309	General Surgery IV—Oncology	MS 152	
THURSDAY, OCTOBER 31			ROOM	
7:00-7:45	TH401	Functional Ergonomics for Surgeons: Protect Your Neck and Your Career	MN 22	
7:00-7:45	TH403	Financial Literacy for the Surgical Practice	MN 20	
8:00-9:30	PS401	Ten Hot Topics in General Surgery	MS 205-208, 213-216	(W) (U)
8:00-9:30	PS402	Ten Hot Topics in Surgical Patient Safety	MS 301-302	(W) (U)
9:45-11:15	PS403	Ten Hot Topics in Surgical Oncology	MS 301-302	(W) (U)
9:45-11:15	VE402	Pancreas Surgery II	MS 152	

GERIATRIC / PALLIATIVE CARE (GER)				
SATURDAY, OCTOBER 26			ROOM	
12:30-4:45	DC04	Ethical Issues in Geriatric Surgical Care (S)	MW 2003	
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	PS111	Vulnerable Elderly: Optimizing Care for the Frail Patient	MS 303-304	(W) (U)
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care (S)	MW 2007	
TUESDAY, OCTOBER 29			ROOM	
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death (S)	MS 310-311	
2:30-4:00	SF223	Geriatric and Palliative Care	MS 160	
6:00-8:00	SI214	Symposium for Surgical Palliative Care	Hilton San Francisco Yosemite B	(U)
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS308	Integrative Medicine for Surgical Patients: East Meets West and Beyond	MS 154	(W) (U)
12:45-2:15	PS321	Is My Patient Going to Die? Integrating Calculations in Surgical Planning	MW 2006-2008	(W) (U)
HEALTH POLICY: PRACTICE MANAGEMENT / REIMBURSEMENT / LIABILITY ISSUES (HP)				
SUNDAY, OCTOBER 27			ROOM	
9:45-5:45	DC08	2019 Mastering General Surgery Coding (S)	MW 2010	
1:00-3:00	PS002	Resident and Associate Society—American College of Surgeons Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility?	MS 212	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	SF104	Health Services Research I	MS 151	
9:45-5:45	DC10	2019 Intensive Trauma and Critical Care Coding (S)	MW 2003	
11:30-1:00	SF115	Health Services Research II	MN 20	
1:15-2:15	ME114	Robotic Cardiothoracic Surgery (S)	MS 104	
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	SF210	Health Services Research III	MS 151	
12:45-2:15	SF215	Health Services Research IV	MS 152	
4:15-5:45	SF229	Health Services Research V	MS 152	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS304	Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration	MW 3014-3018	(W) (U)
8:30-12:45	DC16	Keys to Success for Employed Surgeons (S)	MW 2010	
9:45-11:15	PS318	#GlobalSurgery: Cross-Disciplinary Perspectives on Harnessing the Power of Social Media	MS 153	(W) (U)

9:45-11:15	SP310	e-Posters V	MS 201-203	
12:45-2:15	PS324	Strategic Advocacy: How to Do It	MS 205-208, 213-216	(W) (U)
2:30-4:00	PS328	The Surgeon's Role in Solving the Opioid Crisis	MS 303-304	(W) (U)
2:30-4:00	PS339	Topics in Advocacy	MN 25	
2:30-4:00	SF322	Health Services Research VI	MS 154	
INFORMATICS (INFO)				
SUNDAY, OCTOBER 27			ROOM	
9:00-4:30	DC07	Quality Systems-Based Practice: Measure Twice, Cut Once! Optimizing Surgical Systems of Care (S)	MW 2007	
MONDAY, OCTOBER 28			ROOM	
2:30-4:00	PS119	Telemedicine, Telehealth, and Telemonitoring in Surgical Practice	MS 152	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
12:45-2:15	PS220	There's an App for That: How Technology Is Reshaping Pre- and Postoperative Outpatient Surgery	MS 301-302	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
11:30-12:30	ME306	Have I Got a Job For You! Careers in Surgical Informatics and Quality (S)	MS 104	
INTERNATIONAL (INT)				
SATURDAY, OCTOBER 26			ROOM	
8:30-4:00	DC02	Global Health Competencies for Surgeons: Cognitive and System Skills (S)	MW 2005	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS104	Humanitarian Surgical Outreach at Home and Abroad: Reports of the 2019 Volunteerism and Humanitarian Award Winners	MS 154	(W) (U)
9:45-11:15	SF106	Military	MS 152	
9:45-11:15	SP105	e-Posters I	MS 201-203	
11:30-1:00	PS112	Global Engagement	MS 153	(W) (U)
4:15-5:45	SF125	Global Surgery and Humanitarian Outreach I	MN 21	
8:00-9:30	PS203	No Woman No Care: The Case to Incorporate Women into the Global Surgery Workforce	MS 154	(W) (U)
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203	
2:30-4:00	PS228	Gender Inequality	MS 154	(W) (U)
4:15-5:45	PS234	What Works? Success in Global Surgical System Strengthening: From Problems to Solutions	MS 301-302	
4:15-5:45	VE210	International Video Session	MS 306-308	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:00	NL09	Distinguished Lecture of the International Society of Surgery: The Role of Surgical Care in Attaining Universal Health Coverage for Sustainable Development in Low- and Middle-Income Countries	MS 303-304	(U)

INTERNATIONAL (INT) cont.				
WEDNESDAY, OCTOBER 30			ROOM	
9:45-11:15	PS318	#GlobalSurgery: Cross-Disciplinary Perspectives on Harnessing the Power of Social Media	MS 153	(W) (U)
12:45-2:15	SF315	Global Surgery and Humanitarian Outreach II	MS 152	
12:45-4:00	PS325	The College's International Scholars and Travelers 2019	MS 153	
2:30-4:00	SF321	Global Surgery and Humanitarian Outreach III	MN 20	
NEUROSURGERY (NEU)				
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS103	The Multidisciplinary Care of the Central Nervous Injuries	MS 301-302	(W) (U)
11:30-1:00	SF110	Neurosurgery	MS 160	
2:30-3:30	NL03	Charles G. Drake History of Surgery Lecture: From Surgical Burnout to Wellness: The Secret to a Balanced Life	MS 303-304	(U)
4:15-5:45	PS126	Facial Nerve Injury and Repair	MS 205-208, 213-216	(W) (U)
4:15-5:45	VE107	Neurological Surgery	MS 151	
WEDNESDAY, OCTOBER 30			ROOM	
11:30-12:30	ME304	Endoscopic Management of Anterior Skull Base Lesions: State of the Art (S)	MS 101	
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	(W) (U)
2:30-4:00	SP320	e-Posters VI	MS 201-203	
4:15-5:45	PS333	Negotiating Skills: More Than Just Your Contract	MS 306-308	(W) (U)
OBSTETRICS AND GYNECOLOGY (OBG)				
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	PS110	Urinary Diversion after Urologic, Gynecologic, and General Surgical Procedures: Approaches, Consequences, and Considerations for Re-Operation	MW 2002-2004	(W) (U)
11:30-1:00	VE103	Obstetrics and Gynecology	MS 152	
1:15-2:15	ME109	Female Urology (S)	MS 310-311	
2:30-5:45	PS121	Multidisciplinary Management of Surgical Problems in the Pregnant Patient	MW 2002-2004	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
2:30-4:00	PS228	Gender Inequality	MS 154	(W) (U)
4:15-5:45	PS235	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	MW 2006-2008	(W) (U)
4:15-5:45	PS236	Team-Based Approach to Pelvic Floor Problems: It Takes a Village	MW 2002-2004	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
2:30-4:00	SP320	e-Posters VI	MS 201-203	
4:15-5:45	PS336	The Current Status of Fetal Interventions for Congenital Anomalies	MS 301-302	(W) (U)

OPHTHALMIC SURGERY (OPHTHO)				
MONDAY, OCTOBER 28			ROOM	
2:30-4:00	PS119	Telemedicine, Telehealth, and Telemonitoring in Surgical Practice	MS 152	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
2:30-4:00	SP320	e-Posters VI	MS 201-203	
ORTHOPAEDIC SURGERY (ORT)				
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS105	Skinny the Wrong Way: Orthopaedic Issues and Bariatric Surgery	MW 2002-2004	(W) (U)
11:30-1:00	PS111	Vulnerable Elderly: Optimizing Care for the Frail Patient	MS 303-304	(W) (U)
11:30-1:00	SF111	Orthopaedic Surgery	MS 159	
TUESDAY, OCTOBER 29			ROOM	
4:15-5:45	PS232	Non-Bariatric Surgery in the Morbidly Obese Patient	MW Ballroom	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS305	Is There Life after the Operating Room? How Surgeons Approaching Retirement Can Continue to Contribute	MW 2002-2004	(W) (U)
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	(W) (U)
2:30-4:00	SP320	e-Posters VI	MS 201-203	
OTOLARYNGOLOGY-HEAD & NECK SURGERY (OTO)				
SUNDAY, OCTOBER 27			ROOM	
8:15-5:30	SC06	Thyroid, Parathyroid, and Neck Ultrasound (S)	MW 2020-2022	
MONDAY, OCTOBER 28			ROOM	
9:45-12:15	SC07A	Transoral Thyroidectomy (Lecture Only) (S)	MW 2000	
9:45-5:30	SC07B	Transoral Thyroidectomy (Lecture and Lab) (S)	UCSF-STF	
1:15-2:15	ME111	Minimally Invasive Parathyroidectomy (S)	MS 313	
2:30-4:00	PS116	Parathyroidectomy for Primary Hyperparathyroidism: What's New?	MS 301-302	(W) (U)
4:15-5:45	PS126	Facial Nerve Injury and Repair	MS 205-208, 213-216	(W) (U)
4:15-5:45	PS130	Hot Topics in Endocrine Surgery	MN 23	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	PS206	Button Batteries and Magnets: Ingestion of Foreign Bodies	MS 205-208, 213-216	(W) (U)
11:30-12:30	ME209	Medullary Thyroid Cancer: What You Need to Know (S)	MS 101	
11:30-12:30	ME213	Reoperative Parathyroid Surgery (S)	MS 104	
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203	
12:45-2:15	PS222	Management of the Nodal Basin in the Melanoma Patient	MS 154	(W) (U)
2:30-4:00	PS226	Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology	MS 301-302	(W) (U)
2:30-4:00	PS227	Avoiding Surgeon Burnout with Lifestyle Modification	MN 23	(W) (U)
2:30-4:00	VE208	Otolaryngology-Head and Neck Surgery	MS 152	
4:15-5:45	VE211	Endocrine Surgery	MS 151	

OTOLARYNGOLOGY–HEAD & NECK SURGERY (OTO) cont.				
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS305	Is There Life after the Operating Room? How Surgeons Approaching Retirement Can Continue to Contribute	MW 2002-2004	(W) (U)
9:45-11:15	PS317	Highlights of the Multidisciplinary 2018 AAES Thyroidectomy Guidelines: An Expert Panel Discussion	MW 2002-2004	(W) (U)
11:30-12:30	ME302	Avoiding Thyroid Surgery Complications (S)	MS 50-62	
11:30-12:30	ME304	Endoscopic Management of Anterior Skull Base Lesions: State of the Art (S)	MS 101	
11:30-12:30	ME313	Should I Be Using Molecular Testing for All Thyroid Follicular Lesions of Uncertain Significance (FLUS)? (S)	MS 313	
12:45-2:15	PS320	Minimally Invasive Endocrine Surgery: Is It Worth It?	MS 301-302	(W) (U)
2:30-4:00	SP320	e-Posters VI	MS 201-203	
PEDIATRIC SURGERY (PED)				
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	SP105	e-Posters I	MS 201-203	
1:15-2:15	ME108	Enteral Access for Nutrition (S)	MS 305-309	
2:30-4:00	SF119	Pediatric Surgery I	MN 21	
4:15-5:45	PS123	Antibiotics for Appendicitis? No Consensus Yet	MS 303-304	(W) (U)
4:15-5:45	PS127	Current Trends in Treatment of Congenital Diaphragmatic Hernia (CDH)	MS 301-302	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
7:00-7:45	TH208	How Does Continuous Certification Work? A Town Hall from the American Board of Surgery	MS 151	
8:00-9:30	PS206	Button Batteries and Magnets: Ingestion of Foreign Bodies	MS 205-208, 213-216	(W) (U)
8:00-9:30	PS207	Management of Peritoneal Malignancies: Emerging Data in Heated Intraperitoneal Chemotherapy (HIPEC) and Other Strategies	MS 158	(W) (U)
8:00-9:30	SF204	Pediatric Surgery II	MN 21	
9:45-11:15	PS214	Liver Transplantation: How Can We Increase the Number of Donors/ Transplants and Create Innovative New Strategies?	MS 301-302	(W) (U)
9:45-11:15	SP210	e-Posters III	MS 201-203	
11:30-12:30	ME211	Pediatric Urology (S)	MS 314	
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203	
12:45-2:15	SF216	Pediatric Surgery III	MN 21	
2:30-4:00	PS229	Pediatric Trauma: What's New and Improved?	MW 2006-2008	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
7:00-7:45	TH302	Global Surgery and Opportunities for the Young Surgeon: How Can I Get Involved?	MN 20	
7:00-7:45	TH307	Children's Surgery Verification Program Update	MN 23	
8:00-9:30	PS303	Current Management Strategies for the Child with Intestinal Failure	MS 301-302	(W) (U)
8:00-11:15	VE302	Pediatric Surgery	MS 151	

12:45-2:15	PS322	Surgery for Children: Who Can We Keep in the Rural Community?	MS 154	(W) (U)
2:30-4:00	SF323	Pediatric Surgery IV	MN 23	
4:15-5:45	PS336	The Current Status of Fetal Interventions for Congenital Anomalies	MS 301-302	(W) (U)
PLASTIC AND MAXILLOFACIAL SURGERY (PLA)				
MONDAY, OCTOBER 28			ROOM	
2:30-4:00	PS115	Complex Abdominal Wall Hernias	MW Ballroom	(W) (U)
2:30-4:00	VE105	Plastic Surgery	MS 151	
4:15-5:45	PS124	Preventing Incisional Hernias: Do We Need Mesh or Better Surgical Skills?	MW Ballroom	(W) (U)
4:15-5:45	PS126	Facial Nerve Injury and Repair	MS 205-208, 213-216	(W) (U)
4:15-5:45	PS129	Surgeons Treating Chronic Wounds: Let's Go Beyond Debridement	MS 154	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
9:45-11:15	PS211	Multifaceted Approach to Humanitarian Medical Outreach and Capacity Building: Low- and Middle-Income Countries	MW 2002-2004	
9:45-11:15	SF209	Plastic and Maxillofacial Surgery I	MS 152	
11:30-12:30	ME202	Approaches to Nipple-Sparing Mastectomy (S)	MS 212	
12:45-2:15	PS222	Management of the Nodal Basin in the Melanoma Patient	MS 154	(W) (U)
2:30-4:00	PS224	Fournier's Gangrene and Other Necrotizing Infections: A Multidisciplinary Approach	MW Ballroom	(W) (U)
2:30-4:00	PS226	Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology	MS 301-302	(W) (U)
4:15-5:45	PS233	New Techniques in the Management of Lymphedema	MW 3014-3018	(W) (U)
4:15-5:45	PS235	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	MW 2006-2008	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	SF304	Plastic and Maxillofacial Surgery II	MS 159	
9:45-11:15	SF311	Plastic and Maxillofacial Surgery III	MS 160	
9:45-11:15	SP310	e-Posters V	MS 201-203	
RESIDENTS / MEDICAL STUDENTS (RES-MED)				
SUNDAY, OCTOBER 27			ROOM	
10:00-5:00	SI006	Surgery Resident Program at Clinical Congress: Essential Skills for Surgery Residents Day 1	MS 210-211	
11:30-6:00	SI001	Medical Student Program Day I	MN 24	
1:00-3:00	PS002	Resident and Associate Society–American College of Surgeons Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility?	MS 212	
2:30-4:00	SI002	Medical Student Program e-Poster Session	MS 201-203	
3:00-5:00	SI004	RAS-ACS Skills Competition	MS 209	

RESIDENTS / MEDICAL STUDENTS (RES-MED) cont.				
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS104	Humanitarian Surgical Outreach at Home and Abroad: Reports of the 2019 Volunteerism and Humanitarian Award Winners	MS 154	(W) (U)
10:00-2:00	SI109	Surgery Resident Program at Clinical Congress: Essential Skills for Surgery Residents Day 2	MS 210-211	
11:30-1:00	PS113	You Treat Patients and Trainees Well: How about Yourself?	MS 154	(W) (U)
1:00-6:00	SI103	Medical Student Program Day II	MN 24	
6:00-9:00	SI106	Cardiothoracic Surgery in Your Future: Hands-On Practice for Residents and Medical Students	Marriot Marquis San Francisco—Salon 9	
TUESDAY, OCTOBER 29			ROOM	
7:00-7:45	TH201	Stop the Bleed® Resources for Young Surgeons and How to Start a Program	MN 22	
7:00-7:45	TH202	Carrying the Weight: How to Deal with Complications as a New Surgeon	MN 20	
8:00-11:15	PS208	Spectacular Cases	MN 25	
8:00-3:30	DC13	Successful Management of Your Private Practice (S)	MW 2003	
9:45-11:15	PS213	Tangibles of Teaching: How Medical Student Education Can Enhance Your Practice	MS 158	(W) (U)
9:45-11:15	PS215	Intimate Partner Violence and the Surgical Workforce	MS 153	(W) (U)
12:00-4:00	SI205	RAS-ACS Annual Business Meeting	Hilton San Francisco Continental Ballroom 1-2	
12:45-2:15	PS221	Opportunities for Women to Excel in Cardiothoracic Surgery	MW 2006-2008	(W) (U)
12:45-5:00	PS223	Association of Program Directors in Surgery (APDS) Panels	MS 303-304	
1:00-6:00	SI206	Medical Student Program Day III	MN 25	
2:30-4:00	PS227	Avoiding Surgeon Burnout with Lifestyle Modification	MN 23	(W) (U)
4:00-5:00	SI207	Young Fellows Association Speed Mentoring Program	MS 312-314	
4:15-5:45	PS235	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	MW 2006-2008	(W) (U)
5:00-6:00	SI305	Pathways in Surgical Education for Residents and Medical Students	MS 212	
WEDNESDAY, OCTOBER 30			ROOM	
7:00-7:45	TH309	Surgical Resident Wellness Initiatives: Overcoming Common Barriers to Successful Implementation	MS 152	
8:00-11:15	PS309	Surgical Jeopardy	MS 205-208, 213-216	
9:45-11:15	PS316	The Challenges of Children: Supporting Surgical Trainees during Pregnancy and Beyond	MN 25	(W) (U)
10:00-2:15	DC17	Health Literacy: Optimizing Care for the Underserved Populations (S)	MW 2003	
12:45-2:15	PS332	Transition from Medical School to Residency: Are We Preparing Our Medical Students Adequately?	MW 2002-2004	(W) (U)

2:30-4:00	PS328	The Surgeon's Role in Solving the Opioid Crisis	MS 303-304	(W) (U)
2:30-4:00	PS329	Diversity Matters	MW 2006-2008	(W) (U)
4:15-5:45	PS333	Negotiating Skills: More Than Just Your Contract	MS 306-308	(W) (U)
RURAL SURGERY (RUS)				
SATURDAY, OCTOBER 26			ROOM	
8:00-5:30	SC01	Advanced Skills Training for Rural Surgeons: Laparoscopic Common Bile Duct Exploration and Image-Guided Interventions of the Chest and Abdomen (S)	Lecture: MW 2001, Lab: MW 2009-2011	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS101	Diverticulitis: Are the Answers Changing?	MS 205-208, 213-216	(W) (U)
9:45-11:15	PS102	Necrotizing Pancreatitis: Dealing with a Devastating Disease	MW 3014-3018	(W) (U)
9:45-11:15	PS103	The Multidisciplinary Care of the Central Nervous Injuries	MS 301-302	(W) (U)
11:30-1:00	PS108	The Gall Bladder: Dealing with the Acute Gallbladder	MW Ballroom	(W) (U)
1:00-5:30	SC09	Advanced Therapeutic Colonoscopy and Endoluminal Surgery (S)	MW 2000	
2:30-4:00	PS114	Current Strategies in Management of Small Bowel Obstruction	MS 205-208, 213-216	(W) (U)
2:30-4:00	PS115	Complex Abdominal Wall Hernias	MW Ballroom	(W) (U)
2:30-4:00	PS119	Telemedicine, Telehealth, and Telemonitoring in Surgical Practice	MS 152	(W) (U)
2:30-5:45	PS121	Multidisciplinary Management of Surgical Problems in the Pregnant Patient	MW 2002-2004	(W) (U)
4:15-5:45	PS123	Antibiotics for Appendicitis? No Consensus Yet	MS 303-304	(W) (U)
4:15-5:45	PS124	Preventing Incisional Hernias: Do We Need Mesh or Better Surgical Skills?	MW Ballroom	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
7:00-7:45	TH207	General Surgeons Practicing Primary Care in Rural Communities	MN 23	
8:00-9:30	PS202	Current Management of Upper Gastrointestinal (GI) Bleeding: The Role of Surgery, Endoscopy, and Interventional Radiology	MW 2006-2008	(W) (U)
8:00-9:30	PS205	SESAP 17® Advanced: Previews to Sharpen Your Practice	MW 2002-2004	(W) (U)
8:00-9:30	PS206	Button Batteries and Magnets: Ingestion of Foreign Bodies	MS 205-208, 213-216	(W) (U)
8:00-11:15	PS208	Spectacular Cases	MN 25	
8:00-12:15	SC10A	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture Only) (S)	MW 2001	
8:00-3:30	DC13	Successful Management of Your Private Practice (S)	MW 2003	
8:00-5:30	SC10B	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture and Lab) (S)	MW 2014-2018	
9:00-4:30	DC15	Endoscopy: Updates (S)	MW 2007	
9:45-11:15	PS210	Laparoscopic Common Bile Duct Exploration: When and How?	MW Ballroom	(W) (U)

RURAL SURGERY (RUS) cont.				
TUESDAY, OCTOBER 29			ROOM	
9:45-11:15	PS213	Tangibles of Teaching: How Medical Student Education Can Enhance Your Practice	MS 158	(W) (U)
9:45-11:15	PS215	Intimate Partner Violence and the Surgical Workforce	MS 153	(W) (U)
11:15-12:45	SI215	<i>Code Blue: Resuscitating Rural Surgery</i> Documentary	MN 23	
12:45-2:15	PS218	Anastomotic Leaks: Are We Getting Closer to Understanding and Preventing Them?	MS 205-208, 213-216	(W) (U)
12:45-2:15	PS221	Opportunities for Women to Excel in Cardiothoracic Surgery	MW 2006-2008	(W) (U)
2:30-4:00	PS225	Paraesophageal Hernias: When and How to Operate in 2019	MW 3014-3018	(W) (U)
2:30-4:00	PS227	Avoiding Surgeon Burnout with Lifestyle Modification	MN 23	(W) (U)
2:30-4:00	PS229	Pediatric Trauma: What's New and Improved?	MW 2006-2008	(W) (U)
4:15-5:45	PS231	General Surgeons as the GERD Experts in the Community	MS 205-208, 213-216	(W) (U)
4:15-5:45	PS232	Non-Bariatric Surgery in the Morbidly Obese Patient	MW Ballroom	(W) (U)
4:15-5:45	SI208	Rural Surgeons Open Forum and Oweida Scholarship Presentation	MS 160	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS301	Enhanced Recovery after Surgery (ERAS) Pathways for General Thoracic Surgery	MW Ballroom	(W) (U)
8:00-9:30	PS305	Is There Life after the Operating Room? How Surgeons Approaching Retirement Can Continue to Contribute	MW 2002-2004	(W) (U)
8:00-9:30	PS307	To Stent or Not to Stent? Appropriateness of Endovascular Care	MW 3020-3022	(W) (U)
8:00-11:45	SC13A	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture Only) (S)	MW 2001	
8:00-5:30	SC13B	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture and Lab) (S)	UCSF-STF	
9:45-11:15	PS311	Upgrading Your Surgical Skills through Preceptorship	MS 154	(W) (U)
9:45-11:15	PS312	Nutrition: Overfeeding, Underfeeding, and No Feeding	MW 3014-3018	(W) (U)
11:30-12:30	ME312	Pilonidal Disease: What Are My Options? (S)	MS 212	
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	(W) (U)
12:45-2:15	PS322	Surgery for Children: Who Can We Keep in the Rural Community?	MS 154	(W) (U)
12:45-2:15	PS323	Should Surgeons Care for Their Family Members?	MS 303-304	(W) (U)
2:30-4:00	PS326	Sports Hernia: Have We Defined It, Decided How to Diagnose It, and Determined the Optimal Treatment?	MS 205-208, 213-216	(W) (U)

2:30-4:00	PS328	The Surgeon's Role in Solving the Opioid Crisis	MS 303-304	(W) (U)
4:15-5:45	PS333	Negotiating Skills: More Than Just Your Contract	MS 306-308	(W) (U)
4:15-5:45	PS337	Contemporary Trauma Controversies: Panel Debate	MS 205-208, 213-216	(W) (U)
THURSDAY, OCTOBER 31			ROOM	
8:00-9:30	PS401	Ten Hot Topics in General Surgery	MS 205-208, 213-216	(W) (U)
8:00-9:30	PS402	Ten Hot Topics in Surgical Patient Safety	MS 301-302	(W) (U)
SURGICAL HUMANITARIAN OUTREACH (HUM)				
SATURDAY, OCTOBER 26			ROOM	
8:30-4:00	DC02	Global Health Competencies for Surgeons: Cognitive and System Skills (S)	MW 2005	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS104	Humanitarian Surgical Outreach at Home and Abroad: Reports of the 2019 Volunteerism and Humanitarian Award Winners	MS 154	(W) (U)
9:45-11:15	SF106	Military	MS 152	
9:45-11:15	SP105	e-Posters I	MS 201-203	
11:30-1:00	PS112	Global Engagement	MS 153	(W) (U)
1:15-2:15	ME112	Operation Giving Back (S)	MS 314	
2:30-4:00	PS119	Telemedicine, Telehealth, and Telemonitoring in Surgical Practice	MS 152	(W) (U)
4:15-5:45	SF125	Global Surgery and Humanitarian Outreach I	MN 21	
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	PS203	No Woman No Care: The Case to Incorporate Women into the Global Surgery Workforce	MS 154	(W) (U)
9:45-11:15	PS211	Multifaceted Approach to Humanitarian Medical Outreach and Capacity Building: Low- and Middle-Income Countries	MW 2002-2004	
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203	
4:15-5:45	PS234	What Works? Success in Global Surgical System Strengthening: From Problems to Solutions	MS 301-302	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:00	NL09	Distinguished Lecture of the International Society of Surgery: The Role of Surgical Care in Attaining Universal Health Coverage for Sustainable Development in Low- and Middle-Income Countries	MS 303-304	(U)
9:45-11:15	PS318	#GlobalSurgery: Cross-Disciplinary Perspectives on Harnessing the Power of Social Media	MS 153	(W) (U)
12:45-2:15	SF315	Global Surgery and Humanitarian Outreach II	MS 152	
2:30-4:00	SF321	Global Surgery and Humanitarian Outreach III	MN 20	

SURGICAL ONCOLOGY (ONC)				
SUNDAY, OCTOBER 27			ROOM	
8:00-12:30	SC05A	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture Only) (S)	MW 2000	
8:00-5:30	SC05B	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture and Lab) (S)	UCSF-STF	
8:15-5:30	SC06	Thyroid, Parathyroid, and Neck Ultrasound (S)	MW 2020-2022	
8:30-4:00	DC06	Designing and Running a Prospective Surgical Clinical Trial (S)	MW 2003	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS107	Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer	MS 153	(W) (U)
9:45-12:15	SC07A	Transoral Thyroidectomy (Lecture Only) (S)	MW 2000	
9:45-5:30	SC07B	Transoral Thyroidectomy (Lecture and Lab) (S)	UCSF-STF	
11:30-1:00	PS109	Multidisciplinary Management of Breast Cancer	MS 205-208, 213-216	(W) (U)
11:30-1:00	SF112	Surgical Oncology I	MS 151	
1:15-2:15	ME105	Breast Cancer Management in 2019 (S)	MS 209	
1:15-2:15	ME114	Robotic Cardiothoracic Surgery (S)	MS 104	
2:30-4:00	PS118	Clinical Trials in Personalized Medicine in Oncology	MS 160	(W) (U)
2:30-4:00	SP115	e-Posters II	MS 201-203	
4:15-5:45	SF122	Breast I	MS 153	
4:15-5:45	SF127	Surgical Oncology II	MS 306-308	
TUESDAY, OCTOBER 29			ROOM	
7:00-4:00	SI209	Cracking the Code to Clinical Trial Enrollment: How to Start and Who Can Help	MN 113-114	
8:00-9:30	PS207	Management of Peritoneal Malignancies: Emerging Data in Heated Intraperitoneal Chemotherapy (HIPEC) and Other Strategies	MS 158	(W) (U)
8:30-11:45	SC11A	Fundamentals of Oncoplastic Breast Surgery (Lecture Only) (S)	MW 2000	
8:30-4:00	SC11B	Fundamentals of Oncoplastic Breast Surgery (Lecture and Lab) (S)	MW 2009-2011	
9:45-11:15	PS201	Optimizing Outcomes of Rectal Cancer in 2019	MW 3014-3018	(W) (U)
9:45-11:15	PS209	Gastric and Gastroesophageal Junction Cancer: Latest Advances	MS 205-208, 213-216	(W) (U)
9:45-11:15	SF211	Surgical Oncology III	MN 23	
11:30-12:30	ME202	Approaches to Nipple-Sparing Mastectomy (S)	MS 212	
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death (S)	MS 310-311	

11:30-12:30	ME206	Gastrointestinal Stromal Tumors (GIST) (S)	MS 313	
11:30-12:30	ME209	Medullary Thyroid Cancer: What You Need to Know (S)	MS 101	
11:30-12:30	ME212	Personalized Medicine for Breast Cancer (S)	MS 209	
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203	
12:45-2:15	PS217	More Than BRCA: Genetic Testing for Breast Cancer 2019	MW 3014-3018	(W) (U)
12:45-2:15	PS222	Management of the Nodal Basin in the Melanoma Patient	MS 154	(W) (U)
2:30-4:00	PS226	Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology	MS 301-302	(W) (U)
2:30-4:00	SP220	e-Posters IV	MS 201-203	
4:15-5:45	PS233	New Techniques in the Management of Lymphedema	MW 3014-3018	(W) (U)
4:15-5:45	SF226	Breast II	MN 21	
4:15-5:45	SF230	Surgical Oncology IV	MS 158	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS301	Enhanced Recovery After Surgery (ERAS) Pathways for General Thoracic Surgery	MW Ballroom	(W) (U)
8:00-11:45	SC13A	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture Only) (S)	MW 2001	
8:00-5:30	SC13B	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture and Lab) (S)	UCSF-STF	
8:30-12:15	SC14A	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture Only) (S)	MW 2000	
8:30-5:00	SC14B	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture and Lab) (S)	MW 2009-2011	
9:45-11:15	PS313	Surgeon's Role in Manipulating the Microbiome to Improve Outcomes following Cancer Surgery	MW 3020-3022	(W) (U)
9:45-11:15	PS314	Immunotherapy in the Treatment of Solid Tumors: Emerging Roles of the Surgeon	MS 301-302	(W) (U)
9:45-11:15	SF307	Breast III	MN 21	
11:30-12:30	ME308	Management of the Axilla in T1 or T2 Breast Cancer (S)	MS 204	
12:45-1:45	NL11	Commission on Cancer Oncology Lecture: Pancreatic Cancer: Progress and Prospects	MW 3014-3018	(U)
2:30-4:00	PS327	What's New in the Management of Pancreatic Cancer?	MW 3014-3018	(W) (U)
2:30-4:00	SF324	Surgical Oncology V	MS 160	
4:15-5:45	VE309	General Surgery IV—Oncology	MS 152	
THURSDAY, OCTOBER 31			ROOM	
9:45-11:15	PS403	Ten Hot Topics in Surgical Oncology	MS 301-302	(W) (U)




TRAUMA / CRITICAL CARE (TRA)				
SATURDAY, OCTOBER 26			ROOM	
8:00-3:30	DC01	Emergency General Surgery Update (S)	MW 2010	
8:30-4:45	SC03	Advanced Surgical Skills for Exposure in Trauma (ASSET) (S)	UCSF-STF	
SUNDAY, OCTOBER 27			ROOM	
7:00-4:30	PS001	Excelsior: Military-Civilian Partnerships for Training, Sustaining, and Retraining	Hilton San Francisco Union Square Continental Ballroom 7-8	
8:00-3:30	DC05	Annual Trauma Update (S)	MW 2005	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS101	Diverticulitis: Are the Answers Changing?	MS 205-208, 213-216	(W) (U)
9:45-11:15	PS102	Necrotizing Pancreatitis: Dealing with a Devastating Disease	MW 3014-3018	(W) (U)
9:45-11:15	PS103	The Multidisciplinary Care of the Central Nervous Injuries	MS 301-302	(W) (U)
9:45-11:15	SP105	e-Posters I	MS 201-203	
9:45-5:15	DC09	Annual Update in Surgical Critical Care (S)	MW 2005	
11:30-1:00	PS108	The Gall Bladder: Dealing with the Acute Gallbladder	MW Ballroom	(W) (U)
11:30-1:00	PS110	Urinary Diversion after Urologic, Gynecologic, and General Surgical Procedures: Approaches, Consequences, and Considerations for Re-Operation	MW 2002-2004	(W) (U)
11:30-1:00	SF113	Trauma/Burn/Critical Care I	MN 21	
1:00-5:15	SC08	Ultrasound-Guided Resuscitation for Trauma and Critically Ill Patients (S)	MW 2020-2022	
1:15-2:15	ME110	Genitourinary Trauma (S)	MS 312	
1:15-2:15	ME113	Rib Fixation: Who, When, How? (S)	MW 3024	
2:30-4:00	PS114	Current Strategies in Management of Small Bowel Obstruction	MS 205-208, 213-216	(W) (U)
2:30-4:00	PS115	Complex Abdominal Wall Hernias	MW Ballroom	(W) (U)
2:30-4:00	SP115	e-Posters II	MS 201-203	
2:30-5:45	PS121	Multidisciplinary Management of Surgical Problems in the Pregnant Patient	MW 2002-2004	(W) (U)
4:15-5:45	PS123	Antibiotics for Appendicitis? No Consensus Yet	MS 303-304	(W) (U)
4:15-5:45	PS124	Preventing Incisional Hernias: Do We Need Mesh or Better Surgical Skills?	MW Ballroom	(W) (U)
4:15-5:45	PS126	Facial Nerve Injury and Repair	MS 205-208, 213-216	(W) (U)
4:15-5:45	PS129	Surgeons Treating Chronic Wounds: Let's Go Beyond Debridement	MS 154	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
7:00-7:45	TH201	Stop the Bleed® Resources for Young Surgeons and How to Start a Program	MN 22	
7:00-7:45	TH209	What is Futile Care in Emergency Surgery?	MS 152	
8:00-9:30	PS202	Current Management of Upper Gastrointestinal (GI) Bleeding: The Role of Surgery, Endoscopy, and Interventional Radiology	MW 2006-2008	(W) (U)

8:00-9:30	PS206	Button Batteries and Magnets: Ingestion of Foreign Bodies	MS 205-208, 213-216	(W) (U)
8:00-9:30	SF206	Trauma/Burn/Critical Care II	MS 159	
8:00-11:15	PS208	Spectacular Cases	MN 25	
9:45-10:45	NL06	Excelsior Surgical Society/Edward D. Churchill Lecture: Blood and the Moving Wheels of History	MS 303-304	(U)
9:45-11:15	PS210	Laparoscopic Common Bile Duct Exploration: When and How?	MW Ballroom	(W) (U)
9:45-11:15	PS212	Antibiotic Stewardship: A Professional Responsibility	MW 2006-2008	(W) (U)
9:45-11:15	PS215	Intimate Partner Violence and the Surgical Workforce	MS 153	(W) (U)
9:45-11:15	SF212	Trauma/Burn/Critical Care III	MN 21	
9:45-11:15	SP210	e-Posters III	MS 201-203	
11:30-12:30	ME201	Abdominal Compartment Syndrome (ACS) (S)	MS 204	
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death (S)	MS 310-311	
11:30-12:30	ME210	Minimally Invasive Acute Care Surgery: What, When, and by Whom? (S)	MS 102	
11:30-12:30	SL02	ACS Membership Survey Results on Firearm Injury Prevention	MW Ballroom	
12:45-1:30	NL07	Scudder Oration on Trauma: A Perfect Storm	MW Ballroom	(U)
12:45-2:15	PS218	Anastomotic Leaks: Are We Getting Closer to Understanding and Preventing Them?	MS 205-208, 213-216	(W) (U)
1:00-5:15	SC12	Basic Endovascular Skills for Trauma (BEST) Workshop (S)	MW 2020-2022	
2:30-4:00	PS224	Fournier's Gangrene and Other Necrotizing Infections: A Multidisciplinary Approach	MW Ballroom	(W) (U)
2:30-4:00	PS229	Pediatric Trauma: What's New and Improved?	MW 2006-2008	(W) (U)
2:30-4:00	PS237	Metabolic Surgery: Bariatric, Diabetes, and Chronic Traumatic Encephalopathy	MW 2002-2004	(W) (U)
2:30-4:00	SF225	Trauma/Burn/Critical Care IV	MN 22	
2:30-4:00	SP220	e-Posters IV	MS 201-203	
4:15-5:45	PS232	Non-Bariatric Surgery in the Morbidly Obese Patient	MW Ballroom	(W) (U)
4:15-5:45	SF231	Trauma/Burn/Critical Care V	MN 23	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS304	Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration	MW 3014-3018	(W) (U)
8:00-9:30	PS307	To Stent or Not to Stent? Appropriateness of Endovascular Care	MW 3020-3022	(W) (U)
8:00-9:30	SF306	Trauma/Burn/Critical Care VI	MN 22	
9:45-11:15	PS310	Optimizing the Care of Mesenteric Ischemia	MW Ballroom	(W) (U)
9:45-11:15	PS312	Nutrition: Overfeeding, Underfeeding, and No Feeding	MW 3014-3018	(W) (U)

TRAUMA / CRITICAL CARE (TRA) cont.				
WEDNESDAY, OCTOBER 30			ROOM	
9:45-11:15	PS315	What's the Future for General Surgery?	MW 2006-2008	(W) (U)
9:45-11:15	PS318	#GlobalSurgery: Cross-Disciplinary Perspectives on Harnessing the Power of Social Media	MS 153	(W) (U)
9:45-11:15	SF313	Trauma/Burn/Critical Care VII	MN 20	
9:45-11:15	SP310	e-Posters V	MS 201-203	
11:30-12:30	ME303	Complex Abdominal Injuries (S)	MS 52-56	
11:30-12:30	ME310	Necrotizing Soft-Tissue Infections (S)	MS 314	
11:30-12:30	ME315	The Role of Damage Control in Emergency Surgery (S)	MW 3024	
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	(W) (U)
12:45-4:00	VE307	Surgical Cases in Trauma	MS 306-308	
2:30-4:00	PS331	Blood Product Transfusion: The Sum of the Parts Is Greater Than the Whole—Or Is It?	MS 301-302	(W) (U)
2:30-4:00	SF325	Trauma/Burn/Critical Care VIII	MS 152	
2:30-4:00	SP320	e-Posters VI	MS 201-203	
4:15-5:45	PS335	Extra Corporeal Life Support (ECLS): What's the Role in Trauma?	MW 2006-2008	(W) (U)
4:15-5:45	PS337	Contemporary Trauma Controversies: Panel Debate	MS 205-208, 213-216	(W) (U)
THURSDAY, OCTOBER 31			ROOM	
8:00-9:30	PS401	Ten Hot Topics in General Surgery	MS 205-208, 213-216	(W) (U)
8:00-9:30	PS402	Ten Hot Topics in Surgical Patient Safety	MS 301-302	(W) (U)
9:45-11:15	PS404	Ten Hot Topics in Emergency Acute Care Surgery	MS 205-208, 213-216	(W) (U)
UROLOGY (URO)				
MONDAY, OCTOBER 28			ROOM	
9:00-9:30	NL01	Martin Memorial Lecture: The Health of the Supreme Court	MW Ballroom	(U)
9:45-10:45	NL01A	Meet and Greet with Nina Totenberg	MW 3024	
11:30-1:00	PS110	Urinary Diversion after Urologic, Gynecologic, and General Surgical Procedures: Approaches, Consequences, and Considerations for Re-Operation	MW 2002-2004	(W) (U)
1:15-2:15	ME109	Female Urology (S)	MS 310-311	
1:15-2:15	ME110	Genitourinary Trauma (S)	MS 312	
TUESDAY, OCTOBER 29			ROOM	
9:45-11:15	SF213	Urological Surgery I	MS 159	
11:30-12:30	ME211	Pediatric Urology (S)	MS 314	
11:30-12:30	ME214	Screening and Diagnosis of Prostate Cancer: PSA and Beyond (S)	MS 105	
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	MS 201-203	
2:30-4:00	PS224	Fournier's Gangrene and Other Necrotizing Infections: A Multidisciplinary Approach	MW Ballroom	(W) (U)
2:30-4:00	VE207	Urological Surgery	MS 151	

4:15-5:45	PS235	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	MW 2006-2008	(W) (U)
4:15-5:45	PS236	Team-Based Approach to Pelvic Floor Problems: It Takes a Village	MW 2002-2004	(W) (U)
4:15-5:45	SF232	Urological Surgery II	MS 159	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS305	Is There Life after the Operating Room? How Surgeons Approaching Retirement Can Continue to Contribute	MW 2002-2004	(W) (U)
11:30-12:30	ME307	Improving Outcomes in Bladder Cancer Surgery: Important Advances in Care (S)	MS 105	
11:30-12:30	ME309	Contemporary Issues in Men's Sexual Health (S)	MS 312	
11:30-12:30	ME311	Peritoneal Dialysis Catheters: Tips and Tricks (S)	MS 310-311	
2:30-4:00	SP320	e-Posters VI	MS 201-203	
4:15-5:45	PS336	The Current Status of Fetal Interventions for Congenital Anomalies	MS 301-302	(W) (U)
VASCULAR SURGERY (VAS)				
SATURDAY, OCTOBER 26			ROOM	
8:30-4:45	SC03	Advanced Surgical Skills for Exposure in Trauma (ASSET) (S)	UCSF-STF	
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	SF114	Vascular Surgery I	MS 158	
4:15-5:45	PS129	Surgeons Treating Chronic Wounds: Let's Go Beyond Debridement	MS 154	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
7:00-7:45	TH208	How Does Continuous Certification Work? A Town Hall from the American Board of Surgery	MS 151	
8:00-9:30	PS204	Current Options in the Management of Hemodialysis Access	MS 301-302	(W) (U)
9:45-11:15	SP210	e-Posters III	MS 201-203	
12:45-2:15	SF219	Vascular Surgery II	MS 160	
1:00-5:15	SC12	Basic Endovascular Skills for Trauma (BEST) Workshop (S)	MW 2020-2022	
2:30-4:00	PS226	Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology	MS 301-302	(W) (U)
4:15-5:45	PS233	New Techniques in the Management of Lymphedema	MW 3014-3018	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS304	Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration	MW 3014-3018	(W) (U)
8:00-9:30	PS307	To Stent or Not to Stent? Appropriateness of Endovascular Care	MW 3020-3022	(W) (U)
9:45-11:15	PS310	Optimizing the Care of Mesenteric Ischemia	MW Ballroom	(W) (U)
9:45-11:15	PS312	Nutrition: Overfeeding, Underfeeding, and No Feeding	MW 3014-3018	(W) (U)
9:45-11:15	VE304	Vascular Surgery	MS 152	
12:45-2:15	SF318	Vascular Surgery III	MN 22	

Credit to Address Regulatory Mandates

KEY TO SESSION/COURSE CODES		LOCATION ABBREVIATIONS	
DC	Didactic Course	MW	Moscone West
ME	Meet-the-Expert Session	MS	Moscone South
NL	Named Lecture	MN	Moscone North
PS	Panel Session	SFMM	San Francisco Marriott Marquis
SC	Surgical Skills Course	HSF	Hilton San Francisco
SF	Scientific Forum	UCSF STF	University of California San Francisco Surgical Training Facility
SI	Special Interest Session	UCSF ALC	University of California San Francisco Anatomy Learning Center
TH	Town Hall Meeting		
VE	Video-Based Session		
		 DC, ME, and SC Courses are Ticketed Sessions	
		 Webcast session (Webcast package available for purchase)	
		 Audio session (Audio available for purchase)	

CULTURAL COMPETENCY (CC)				
MONDAY, OCTOBER 28			ROOM	
1:15-2:15	ME112	Operation Giving Back Ⓢ	MS 314	
TUESDAY, OCTOBER 29			ROOM	
4:15-5:45	PS235	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	MW 2006-2008	Ⓦ 🔊
WEDNESDAY, OCTOBER 30			ROOM	
10:00-2:15	DC17	Health Literacy: Optimizing Care for the Underserved Populations Ⓢ	MW 2003	
2:30-4:00	PS329	Diversity Matters	MW 2006-2008	Ⓦ 🔊
4:15-5:45	PS338	Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics	MS 303-304	Ⓦ 🔊
DOMESTIC VIOLENCE (DV)				
TUESDAY, OCTOBER 29			ROOM	
9:45-11:15	PS215	Intimate Partner Violence and the Surgical Workforce	MS 153	Ⓦ 🔊
ETHICS (E)				
SATURDAY, OCTOBER 26			ROOM	
12:30-4:45	DC04	Ethical Issues in Geriatric Surgical Care Ⓢ	MW 2003	
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	SF108	Ethics	MN 23	
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care Ⓢ	MW 2007	
TUESDAY, OCTOBER 29			ROOM	
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope After a Difficult Death Ⓢ	MS 310-311	

2:30-5:45	PS230	Ethics Colloquium: The Ethics of Extraordinary Care	MS 153	Ⓦ 🔊
4:15-5:45	PS235	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	MW 2006-2008	Ⓦ 🔊
WEDNESDAY, OCTOBER 30			ROOM	
9:45-10:45	NL10	John J. Conley Ethics and Philosophy Lecture: What We Talk about When We Talk about Surgery	MS 303-304	🔊
12:45-2:15	PS323	Should Surgeons Care for Their Family Members?	MS 303-304	Ⓦ 🔊
GERIATRIC (GER)				
SATURDAY, OCTOBER 26			ROOM	
12:30-4:45	DC04	Ethical Issues in Geriatric Surgical Care Ⓢ	MW 2003	
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	PS111	Vulnerable Elderly: Optimizing Care for the Frail Patient	MS 303-304	Ⓦ 🔊
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care Ⓢ	MW 2007	
TUESDAY, OCTOBER 29			ROOM	
2:30-4:00	SF223	Geriatric and Palliative Care	MS 160	
WEDNESDAY, OCTOBER 30			ROOM	
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	Ⓦ 🔊
OPIOID/PAIN MANAGEMENT (OPM)				
MONDAY, OCTOBER 28			ROOM	
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care Ⓢ	MW 2007	
4:15-5:45	PS125	Dealing with the Impaired Physician: What to Do When It Is Your Trainee or Your Partner?	MS 159	Ⓦ 🔊

OPIOID/PAIN MANAGEMENT (OPM) cont.				
TUESDAY, OCTOBER 29			ROOM	
11:30-12:30	ME203	Assessing Chronic Pain following Inguinal Hernia Repair (S)	MS 305-309	
WEDNESDAY, OCTOBER 30			ROOM	
2:30-4:00	PS328	The Surgeon's Role in Solving the Opioid Crisis	MS 303-304	(W) (U)
PALLIATIVE CARE (PA)				
MONDAY, OCTOBER 28			ROOM	
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care (S)	MW 2007	
TUESDAY, OCTOBER 29			ROOM	
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death (S)	MS 310-311	
2:30-4:00	SF223	Geriatric and Palliative Care	MS 160	
PATIENT SAFETY (PtS)				
SATURDAY, OCTOBER 26			ROOM	
8:00-3:30	DC01	Emergency General Surgery Update (S)	MW 2010	
SUNDAY, OCTOBER 27			ROOM	
9:00-4:30	DC07	Quality Systems-Based Practice: Measure Twice, Cut Once! Optimizing Surgical Systems of Care (S)	MW 2007	

MONDAY, OCTOBER 28			ROOM	
1:15-2:15	ME106	What Just Happened? Dealing with Devastating Complications (S)	MS 204	
2:30-4:00	PS120	Agency for Healthcare Research and Quality (AHRQ) Safety Program for Improving Surgical Care and Recovery: What Can It Do for Your Patients?	MS 306-308	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	PS206	Button Batteries and Magnets: Ingestion of Foreign Bodies	MS 205-208, 213-216	(W) (U)
9:45-11:15	PS216	What You Need to Know to Protect Yourself from Being Misabeled a "Disruptive Surgeon"	MS 154	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS301	Enhanced Recovery After Surgery (ERAS) Pathways for General Thoracic Surgery	MW Ballroom	(W) (U)
9:45-11:15	PS311	Upgrading Your Surgical Skills through Preceptorship	MS 154	(W) (U)
11:30-12:30	ME302	Avoiding Thyroid Surgery Complications (S)	MS 50-62	
12:45-2:15	PS321	Is My Patient Going to Die? Integrating Calculations in Surgical Planning	MW 2006-2008	(W) (U)
1:15-5:30	DC19	Managing Your Team in the Operating Room (S)	MW 2007	
THURSDAY, OCTOBER 31			ROOM	
8:00-9:30	PS402	Ten Hot Topics in Surgical Patient Safety	MS 301-302	(W) (U)

Credit to Address ACS Accreditation/Verification Requirements

KEY TO SESSION/COURSE CODES

DC	Didactic Course
ME	Meet-the-Expert Session
NL	Named Lecture
PS	Panel Session
SC	Surgical Skills Course
SF	Scientific Forum
SI	Special Interest Session
TH	Town Hall Meeting
VE	Video-Based Session

LOCATION ABBREVIATIONS

MW	Moscone West
MS	Moscone South
MN	Moscone North
SFMM	San Francisco Marriott Marquis
HSF	Hilton San Francisco
UCSF STF	University of California San Francisco Surgical Training Facility
UCSF ALC	University of California San Francisco Anatomy Learning Center

- (S) DC, ME, and SC Courses are Ticketed Sessions
 (W) Webcast session (Webcast package available for purchase)
 (A) Audio session (Audio available for purchase)

BARIATRIC SURGERY (MBS)				
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS105	Skinny the Wrong Way: Orthopaedic Issues and Bariatric Surgery	MW 2002-2004	(W) (A)
9:45-11:15	VE101	Bariatric Surgery I	MS 306-308	
1:15-2:15	ME104	Bariatric Surgery for the General Surgeon (S)	MS 102	
2:30-4:00	SF116	Bariatric/Foregut I	MS 158	
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	SF201	Bariatric/Foregut II	MS 153	
9:45-11:15	VE201	Bariatric Surgery II	MS 151	
12:45-2:15	SF214	Bariatric/Foregut III	MN 23	
2:30-4:00	PS237	Metabolic Surgery: Bariatric, Diabetes, and Chronic Traumatic Encephalopathy	MW 2002-2004	(W) (A)
WEDNESDAY, OCTOBER 30			ROOM	
12:45-2:15	SF314	Bariatric/Foregut IV	MN 20	
BREAST (BST)				
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	PS109	Multidisciplinary Management of Breast Cancer	MS 205-208, 213-216	(W) (A)
1:15-2:15	ME105	Breast Cancer Management in 2019 (S)	MS 209	
4:15-5:45	SF122	Breast I	MS 153	
TUESDAY, OCTOBER 29			ROOM	
8:30-11:45	SC11A	Fundamentals of Oncoplastic Breast Surgery (Lecture Only) (S)	MW 2000	
8:30-4:00	SC11B	Fundamentals of Oncoplastic Breast Surgery (Lecture and Lab) (S)	MW 2009-2011	
11:30-12:30	ME202	Approaches to Nipple-Sparing Mastectomy (S)	MS 212	
11:30-12:30	ME212	Personalized Medicine for Breast Cancer (S)	MS 209	
12:45-2:15	PS217	More Than BRCA: Genetic Testing for Breast Cancer 2019	MW 3014-3018	(W) (A)
4:15-5:45	SF226	Breast II	MN 21	

WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS302	Management of Complex Benign Breast Disease	MW 2006-2008	(W) (A)
8:30-12:15	SC14A	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture Only) (S)	MW 2000	
8:30-5:00	SC14B	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture and Lab) (S)	MW 2009-2011	
9:45-11:15	SF307	Breast III	MN 21	
11:30-12:30	ME308	Management of the Axilla in T1 or T2 Breast Cancer (S)	MS 204	
CANCER (C)				
SUNDAY, OCTOBER 27			ROOM	
8:00-12:30	SC05A	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture Only) (S)	MW 2000	
8:00-5:30	SC05B	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture and Lab) (S)	UCSF-STF	
8:15-5:30	SC06	Thyroid, Parathyroid, and Neck Ultrasound (S)	MW 2020-2022	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	PS107	Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer	MS 153	(W) (A)
11:30-1:00	PS109	Multidisciplinary Management of Breast Cancer	MS 205-208, 213-216	(W) (A)
11:30-1:00	SF112	Surgical Oncology I	MS 151	
1:15-2:15	ME105	Breast Cancer Management in 2019 (S)	MS 209	
4:15-5:45	SF127	Surgical Oncology II	MS 306-308	
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	PS207	Management of Peritoneal Malignancies: Emerging Data in Heated Intraperitoneal Chemotherapy (HIPEC) and Other Strategies	MS 158	(W) (A)

CANCER (C) cont.				
TUESDAY, OCTOBER 29			ROOM	
8:30-11:45	SC11A	Fundamentals of Oncoplastic Breast Surgery (Lecture Only) (S)	MW 2000	
8:30-4:00	SC11B	Fundamentals of Oncoplastic Breast Surgery (Lecture and Lab) (S)	MW 2009-2011	
9:45-11:15	PS201	Optimizing Outcomes of Rectal Cancer in 2019	MW 3014-3018	(W) (U)
9:45-11:15	PS209	Gastric and Gastroesophageal Junction Cancer: Latest Advances	MS 205-208, 213-216	(W) (U)
9:45-11:15	SF211	Surgical Oncology III	MN 23	
11:30-12:30	ME202	Approaches to Nipple-Sparing Mastectomy (S)	MS 212	
11:30-12:30	ME209	Medullary Thyroid Cancer: What You Need to Know (S)	MS 101	
11:30-12:30	ME212	Personalized Medicine for Breast Cancer (S)	MS 209	
11:30-12:30	ME214	Screening and Diagnosis of Prostate Cancer: PSA and Beyond (S)	MS 105	
12:45-2:15	PS217	More Than BRCA: Genetic Testing for Breast Cancer 2019	MW 3014-3018	(W) (U)
12:45-2:15	PS222	Management of the Nodal Basin in the Melanoma Patient	MS 154	(W) (U)
2:30-4:00	PS226	Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology	MS 301-302	(W) (U)
4:15-5:45	SF230	Surgical Oncology IV	MS 158	
WEDNESDAY, OCTOBER 30			ROOM	
8:30-12:15	SC14A	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture Only) (S)	MW 2000	
8:30-5:00	SC14B	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture and Lab) (S)	MW 2009-2011	
9:30-5:00	DC18	Transanal Techniques for Management of Rectal Polyps and Cancer (S)	MW 2005	
9:45-11:15	PS313	Surgeon's Role in Manipulating the Microbiome to Improve Outcomes following Cancer Surgery	MW 3020-3022	(W) (U)
9:45-11:15	PS314	Immunotherapy in the Treatment of Solid Tumors: Emerging Roles of the Surgeon	MS 301-302	(W) (U)
9:45-11:15	PS317	Highlights of the Multidisciplinary 2018 AAES Thyroidectomy Guidelines: An Expert Panel Discussion	MW 2002-2004	(W) (U)
11:30-12:30	ME301	Anal Neoplasia (S)	MS 102	
11:30-12:30	ME307	Improving Outcomes in Bladder Cancer Surgery: Important Advances in Care (S)	MS 105	
11:30-12:30	ME308	Management of the Axilla in T1 or T2 Breast Cancer (S)	MS 204	
11:30-12:30	ME313	Should I Be Using Molecular Testing for All Thyroid Follicular Lesions of Uncertain Significance (FLUS)? (S)	MS 313	

12:45-1:45	NL11	Commission on Cancer Oncology Lecture: Pancreatic Cancer: Progress and Prospects	MW 3014-3018	(U)
2:30-4:00	PS327	What's New in the Management of Pancreatic Cancer?	MW 3014-3018	(W) (U)
2:30-4:00	PS330	Management of Hereditary Endocrine Syndromes	MW 2002-2004	(W) (U)
2:30-4:00	SF324	Surgical Oncology V	MS 160	
4:15-5:45	VE309	General Surgery IV - Oncology	MS 152	
THURSDAY, OCTOBER 31			ROOM	
9:45-11:15	PS403	Ten Hot Topics In Surgical Oncology	MS 301-302	(W) (U)
GERIATRIC SURGERY (GS)				
SATURDAY, OCTOBER 26			ROOM	
12:30-4:45	DC04	Ethical Issues in Geriatric Surgical Care (S)	MW 2003	
MONDAY, OCTOBER 28			ROOM	
11:30-1:00	PS111	Vulnerable Elderly: Optimizing Care for the Frail Patient	MS 303-304	(W) (U)
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care (S)	MW 2007	
TUESDAY, OCTOBER 29			ROOM	
2:30-4:00	SF223	Geriatric and Palliative Care	MS 160	
WEDNESDAY, OCTOBER 30			ROOM	
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	(W) (U)
PEDIATRIC SURGERY (PEDS)				
MONDAY, OCTOBER 28			ROOM	
1:15-2:15	ME108	Enteral Access for Nutrition (S)	MS 305-309	
2:30-4:00	SF119	Pediatric Surgery I	MN 21	
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	PS206	Button Batteries and Magnets: Ingestion of Foreign Bodies	MS 205-208, 213-216	(W) (U)
8:00-9:30	SF204	Pediatric Surgery II	MN 21	
11:30-12:30	ME211	Pediatric Urology (S)	MS 314	
12:45-2:15	SF216	Pediatric Surgery III	MN 21	
2:30-4:00	PS229	Pediatric Trauma: What's New and Improved?	MW 2006-2008	(W) (U)
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS303	Current Management Strategies for the Child with Intestinal Failure	MS 301-302	(W) (U)
8:00-11:15	VE302	Pediatric Surgery	MS 151	
9:45-11:15	PS312	Nutrition: Overfeeding, Underfeeding, and No Feeding	MW 3014-3018	(W) (U)
12:45-2:15	PS322	Surgery for Children: Who Can We Keep in the Rural Community?	MS 154	(W) (U)
2:30-4:00	SF323	Pediatric Surgery IV	MN 23	
4:15-5:45	PS336	The Current Status of Fetal Interventions for Congenital Anomalies	MS 301-302	(W) (U)

TRAUMA (T)				
SATURDAY, OCTOBER 26			ROOM	
8:00-3:30	DC01	Emergency General Surgery Update (\$)	MW 2010	
8:30-4:45	SC03	Advanced Surgical Skills for Exposure in Trauma (ASSET) (\$)	UCSF-STF	
SUNDAY, OCTOBER 27			ROOM	
7:00-4:30	PS001	Excelsior: Military-Civilian Partnerships for Training, Sustaining, and Retraining	Hilton San Francisco Union Square Continental Ballroom 7-8	
8:00-3:30	DC05	Annual Trauma Update (\$)	MW 2005	
MONDAY, OCTOBER 28			ROOM	
9:45-11:15	SF106	Military	MS 152	
9:45-5:15	DC09	Annual Update in Surgical Critical Care (\$)	MW 2005	
11:30-1:00	SF113	Trauma/Burn/Critical Care I	MN 21	
1:00-5:15	SC08	Ultrasound-Guided Resuscitation for Trauma and Critically Ill Patients (\$)	MW 2020-2022	
1:15-2:15	ME108	Enteral Access for Nutrition (\$)	MS 305-309	
1:15-2:15	ME110	Genitourinary Trauma (\$)	MS 312	
1:15-2:15	ME113	Rib Fixation: Who, When, How? (\$)	MW 3024	
4:15-5:45	PS126	Facial Nerve Injury and Repair	MS 205-208, 213-216	(W) (U)
TUESDAY, OCTOBER 29			ROOM	
8:00-9:30	SF206	Trauma/Burn/Critical Care II	MS 159	
9:45-10:45	NL06	Excelsior Surgical Society/Edward D. Churchill Lecture: Blood and the Moving Wheels of History	MS 303-304	(U)
9:45-11:15	SF212	Trauma/Burn/Critical Care III	MN 21	
11:30-12:30	ME201	Abdominal Compartment Syndrome (ACS) (\$)	MS 204	
11:30-12:30	ME210	Minimally Invasive Acute Care Surgery: What, When, and by Whom? (\$)	MS 102	

12:45-1:30	NL07	Scudder Oration on Trauma: A Perfect Storm	MW Ballroom	(U)
1:00-5:15	SC12	Basic Endovascular Skills for Trauma (BEST) Workshop (\$)	MW 2020-2022	
2:30-4:00	PS224	Fournier's Gangrene and Other Necrotizing Infections: A Multidisciplinary Approach	MW Ballroom	(W) (U)
2:30-4:00	PS229	Pediatric Trauma: What's New and Improved?	MW 2006-2008	(W) (U)
2:30-4:00	SF225	Trauma/Burn/Critical Care IV	MN 22	
4:15-5:45	SF231	Trauma/Burn/Critical Care V	MN 23	
WEDNESDAY, OCTOBER 30			ROOM	
8:00-9:30	PS304	Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration	MW 3014-3018	(W) (U)
8:00-9:30	SF306	Trauma/Burn/Critical Care VI	MN 22	
9:45-11:15	SF313	Trauma/Burn/Critical Care VII	MN 20	
11:30-12:30	ME303	Complex Abdominal Injuries (\$)	MS 52-56	
11:30-12:30	ME310	Necrotizing Soft-Tissue Infections (\$)	MS 314	
11:30-12:30	ME315	The Role of Damage Control in Emergency Surgery (\$)	MW 3024	
12:45-2:15	PS319	Geriatric Trauma for the General Surgeon	MN 25	(W) (U)
12:45-4:00	VE307	Surgical Cases in Trauma	MS 306-308	
2:30-4:00	PS331	Blood Product Transfusion: The Sum of the Parts Is Greater Than the Whole—Or Is It?	MS 301-302	(W) (U)
2:30-4:00	SF325	Trauma/Burn/Critical Care VIII	MS 152	
4:15-5:45	PS335	Extra Corporeal Life Support (ECLS): What's the Role in Trauma?	MW 2006-2008	(W) (U)
4:15-5:45	PS337	Contemporary Trauma Controversies: Panel Debate	MS 205-208, 213-216	(W) (U)
THURSDAY, OCTOBER 31			ROOM	
9:45-11:15	PS404	Ten Hot Topics in Emergency Acute Care Surgery	MS 205-208, 213-216	(W) (U)

Special Interest Sessions

CME Credit not available for these sessions.

Sunday, October 27

Surgery Resident Program at Clinical Congress: Essential Skills for Surgery Residents Day 1

10:00 am-5:00 pm

LOCATION: MS 210-211

TRACK(S): RES-MED

Residents from all postgraduate year levels are invited to attend this multifaceted program of presentations, discussions, and activities specially designed with the surgical resident in mind. Offered by the American College of Surgeons (ACS) Division of Education, the Division of Member Services, and the Resident and Associate Society (RAS-ACS), this special two-day program will be held in conjunction with Clinical Congress 2019.

Presentations will focus on preparing for a career in surgery and will include lecture, interactive, and discussion-style presentations with ACS leaders.

Other events will include:

- Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility
- Skills Competition: So You Think You Can Operate?
- Fireside Chat with ACS President Ronald V. Maier, MD, FACS, FRCSEd(Hon), FCSHK(Hon), FCCS(Hon)
- Resilience: Preparing for Your Surgical Career
- Town Hall Topics

Please note that this program is open to surgical residents only.

This is a two-day program which continues Monday, October 28, 2019. Please refer to Monday's listing for the Day 2 programming schedule.

Sponsored by the Resident and Associate Society, the Division of Education, and the Division of Member Services

Medical Student Program Day I

11:30 am-6:00 pm

LOCATION: MN 24

TRACK(S): RES-MED

The ACS Division of Education invites students from all four years of medical school to participate in this program designed specifically for medical students considering a career in surgery. Programming varies from day to day, and students are welcome to attend all or select portions of the three-day program.

The program is free to ACS Medical Student members who register in advance. Nonmembers will be charged a nominal registration fee. Please note that attendance is limited, and early registration is strongly suggested.

Topics will include exploring various lifestyle issues in surgery, decision making on the path to residency, navigating the residency application process, and interviewing successfully. Speakers will include College leaders and surgical educators at both the medical student and resident levels. Students are able to practice some basic surgical skills and hone their interviewing technique in interactive sessions with surgeons, as well as network with specialty surgeons, residency program directors, surgical residents, and others.

Special features of Sunday's program will include an informal discussion on lifestyle issues in surgery, as well as a panel highlighting various options for professional development years during residency. Later in the day, there will be a networking event with surgeon representatives from different surgical specialties and various practice settings. Residency program administrators will also be on hand to answer "nuts and bolts" questions for aspiring surgery residents.

Also incorporated in this program is the Medical Student Program e-Poster Session, during which 48 medical students will present their research in one of three categories: clinical research; basic science research; or outcomes, innovation, or education research. Surgeon and resident volunteer judges will critique these presentations. First- and second-place winners in each category will be formally recognized during Tuesday's program.

Sponsored by the Committee on Medical Student Education

RAS-ACS Skills Competition

3:00-5:00 pm

LOCATION: MS 209

TRACK(S): RES-MED

This competition is held in conjunction with the Surgery Resident Program at Clinical Congress.

The Surgery Resident Program will conclude with a skills competition that will mimic common surgical situations to test both the skills and teamwork of surgical trainees. Cheer on your favorite team, learn some new surgical techniques, and enjoy some coffee and dessert during this lively competition.

Sponsored by the Resident and Associate Society

Convocation

6:00-8:00 pm

LOCATION: MW Ballroom

PRESIDENT PRESIDING:

Ronald V. Maier, MD, FACS, FRCSEd(Hon), FCSHK(Hon), FCCS(Hon), *Seattle, WA*

The Convocation ceremony confers Fellowship upon those surgeons who have successfully met the American College of Surgeons (ACS) requirements to provide optimal care to the surgical patient. The ceremony also includes the following: an invocation; a response on behalf of the new Fellows; induction of new Honorary Fellows; presentation of the

Distinguished Service Award, the Distinguished Military Contribution Award, the Lifetime Achievement Award, the Surgical Forum Award, and the Women in Surgery Committee's Mary Edwards Walker Inspiring Women in Surgery Award; installation of the ACS Officers; and the Presidential Address.

The first Convocation took place November 13, 1913, at the Congress Hotel in Chicago, IL. The inaugural class of 1,059 surgeons hailed from the U.S. and Canada and included six women surgeons.

All Initiates must register for Clinical Congress if they plan to participate in the Convocation. All Initiates will be granted Fellowship in the College during the ceremony regardless of their attendance at the event and may begin using the FACS designation upon the conclusion of the ceremony.

Monday, October 28

Opening Ceremony

8:00-9:00 am

LOCATION: MW Ballroom

PRESIDENT PRESIDING:

Valerie W. Rusch, MD, FACS, *New York, NY*

The Colors and Canadian and American national anthems are presented, along with a short video highlighting the new President's theme for the year.

The President introduces ACS Honorary Fellows, the Recipient of the Distinguished Philanthropist Award, the College's Officers and Regents, Past-Presidents, Special Invited Guests from national and international health care organizations, ACS Scholarship Recipients, and the International Guest Scholars. An annual overview of the College will be reported by David B. Hoyt, MD, FACS, ACS Executive Director. The Martin Memorial Lecture, sponsored by the American Urological Association, immediately follows from 9:00-9:30 am.

Surgical History Group Poster Session

9:00 am-4:30 pm

LOCATION: Halls ABC

The Surgical History Group Poster Session will highlight the rich history of surgery. Posters will be presented by Fellows, residents, and medical students. These posters will be on display Monday, October 28, through Wednesday, October 30. Presentations and judging will take place Monday from 12 noon-3 pm. The first- and second-place posters will be announced at the ACS Surgical History Group Breakfast on Tuesday morning.

Sponsored by the History and Archives Committee

Surgery Resident Program at Clinical Congress: Essential Skills for Surgery Residents Day 2

10:00 am-2:00 pm

LOCATION: MS 210-211

TRACK(S): RES-MED

This is the continuation of the two-day program which started on Sunday, October 27, 2019. Please refer to Sunday's listing for a complete program description.

Day 2 programming will include:

- Implicit Bias
- Physician Jobs and Contracts
- Building Your Financial Career

Please note that this program is open to current surgical residents only.

Sponsored by the Resident and Associate Society, the Division of Education, and the Division of Member Services

Medical Student Program Day II

1:00-6:00 pm

LOCATION: MN 24

TRACK(S): RES-MED

The ACS Division of Education invites students from all four years of medical school to participate in this program designed specifically for medical students considering a career in surgery. Programming varies from day to day, and students are welcome to attend all or selected portions of the three-day program.

The program is free to ACS Medical Student members who register in advance. Nonmembers will be charged a nominal registration fee. Please note that attendance is limited, and early registration is strongly suggested.

Topics will include exploring various lifestyle issues in surgery, decision making on the path to residency, navigating the residency application process, and interviewing successfully. Speakers will include College leaders and surgical educators at both the medical student and resident levels. Students are able to practice some basic surgical skills and hone their interviewing technique in interactive sessions with surgeons, as well as network with specialty surgeons, residency program directors, surgical residents, and others.

Special features of Monday's program will include a talk on innovation in surgery by Thomas M. Krummel, MD, FACS. This will be followed by a presentation on the triage of victims from the YouTube Headquarters shooting from a surgical perspective by Andre R. Campbell, MD, FACS. This presentation will be followed by comments from ACS President-Elect, Valerie W. Rusch, MD, FACS, and then comments from ACS leadership will be provided. Medical students in years three and above will be welcomed to a resident panel discussing decision making on the path to residency and beyond as well as an interactive session providing teaching tips for rising residents, while more junior students will be welcomed to attend roundtable sessions to learn and practice knot tying and suturing, discuss elements of an effective personal statement, and learn more about the residency application process.

Sponsored by the Committee on Medical Student Education

Stop the Bleed®: Stop the Bleed Course and Instructor Course

2:30-4:00 pm

LOCATION: MS 70-74

Studies have shown that the help given by an immediate responder can often make the difference between life and death, even before professional rescuers arrive. The Stop the Bleed Course gives participants the necessary tools to become an empowered initial responder.

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and covers the ABCs of bleeding as a method to stop an active bleed. The course includes a class presentation and hands-on skills demonstration on tourniquet application, wound packing, and pressure application. At the conclusion of the course, participants will receive tips on how to present the materials, and will engage in a discussion of ways to provide a positive learning experience in teaching a Stop the Bleed Course.

ACS Chapter Speed Networking

3:00-5:00 pm

LOCATION: MW 2001

Are you involved with your local ACS chapter? Are you interested in learning how to strengthen the value of chapter membership? If so, join current and past chapter leaders, ACS Governors, chapter executives, and ACS staff for Chapter Speed Networking—a fun, fast-paced educational and social event where you will have the opportunity to learn more about the programming and management of successful ACS chapters.

Attendees will engage in several 15-minute discussions on topics of importance to domestic and international chapters such as membership recruitment and engagement, advocacy, communications, and best practices for international chapters. This event is also a way to build new networks with colleagues and leadership of other ACS chapters—from all corners of the world.

The event is open to all current and future chapter leaders. Attendees may attend all or part of the event. Assorted beverages and appetizers will be provided.

Young Fellows Association (YFA) Program

4:00-5:45 pm

LOCATION: MW 2010

The Young Fellows Association (YFA) welcomes new Initiates and Fellows who are 45 years old or younger, or those “young at heart,” to our annual YFA Program.

The YFA Program includes an overview of the association's activities by the Chair Robert Winfield, MD, FACS, and Chair-Elect Paula Ferrada, MD, FACS; a roundtable discussion; and updates from the YFA Workgroups. The program ends with a networking reception that provides an opportunity for Initiates and young Fellows to interact with incoming ACS President-Elect Valerie W. Rusch, MD, FACS, and YFA leadership.

Registration is not required.

Sponsored by the Young Fellows Association

Stop the Bleed®: Stop the Bleed Course and Instructor Course

4:15-5:45 pm

LOCATION: MS 70-74

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and covers the ABCs of bleeding as a method to stop an active bleed. For more information, see the expanded description on this page.

Cardiothoracic Surgery in Your Future: Hands-On Practice for Residents and Medical Students

6:00-9:00 pm

LOCATION: Marriott Marquis San Francisco Salon 9

TRACK(S): CTS

FEE: \$50

COURSE DIRECTORS:

Jennifer Walker, MD, UMass Memorial Medical Center, *Worcester, MA*

Rishindra M. Reddy, MD, FACS, University of Michigan, *Ann Arbor, MI*

Karen M. Kim, MD, University of Michigan, *Ann Arbor, MI*

This course will introduce surgery residents and medical students to conventional and complex procedures performed by cardiothoracic surgeons today and provide information about upcoming new technologies and integrated cardiothoracic surgery training programs. The primary focus of the session will be hands-on experience with specific cardiothoracic surgical procedures. Participants will experience and have the opportunity to perform these surgical procedures using synthetic and tissue-based simulation models. The program will be taught by cardiothoracic surgeons who are leaders in their respective fields of cardiac and general thoracic surgery. (Dinner will be provided at 6:00 pm.)

Welcome and Introduction

Karen M. Kim, MD, University of Michigan, *Ann Arbor, MI*
Rishindra M. Reddy, MD, FACS, University of Michigan, *Ann Arbor, MI*

Update to the Traditional and Integrated CT Surgery Program
Karen M. Kim, MD, University of Michigan, *Ann Arbor, MI*

A Day in the Life of a Cardiac Surgeon

Jennifer Walker, MD, UMass Memorial Medical Center, *Worcester, MA*

A Day in the Life of a Thoracic Surgeon

Rishindra M. Reddy, MD, FACS, University of Michigan, *Ann Arbor, MI*

Wet Lab Orientation and Station Assignments

Cardiac Stations

Aortic Valve Replacement

Vessel Suturing

Mitral Valve Repair

Thoracic Stations

VATS Lobectomy

Esophageal Anastomosis

Chest Wall Reconstruction/Rib Fixation

Tuesday, October 29

ACS Surgical History Group Breakfast

7:00-8:30 am

LOCATION: MN 24

Join your colleagues who share an interest in surgical history at the ACS Surgical History Group Breakfast. This year's guest lecturer will be Peter J. Kernahan, MD, FACS, who will speak on William J. Mayo, MD, FACS, a founding member and former ACS President. Also presenting will be the recipient of the 2018-2019 SHG Archives Fellowship, David E. Clark, MD, FACS. This breakfast will provide an opportunity for you to share stories and discuss where surgery has been and how best to preserve it into the future.

Sponsored by the History and Archives Committee

Cracking the Code to Clinical Trial Enrollment: How to Start and Who Can Help

7:00 am-4:00 pm

LOCATION: MN 113-114

TRACK(S): GEN

Surgeons from all specialties are invited to drop in on this open-house style session designed to overcome administrative barriers that may hinder surgeon participation in clinical trials. In an effort to reduce this burden, the ACS Clinical Research Program will provide in-person support and guidance to assist interested investigators with completion of the National Cancer Institute's (NCI) clinical trials enrollment requirements. Stop by for 15 minutes anytime between 7:00 am and 4:00 pm to learn about newly activated clinical trials and access resources on the following trainings and requirements:

- Cancer Therapy Evaluation Program (CTEP) Identity and Access Management (IAM) ID
- NCI Registration and Credential Repository (RCR)
- Enhanced training requirements, such as Human Subjects Protection (HSP) and Good Clinical Practice (GCP)
- Additional information on regulatory requirements, including HIPAA compliance in clinical trials, NCI Biosketch, and financial disclosure forms

Questions about this session? Contact the Clinical Research Program at clinicalresearchprogram@facs.org or 312-202-5685.

Stop the Bleed®: Stop the Bleed Course and Instructor Course

8:00-9:30 am

LOCATION: MS 70-74

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and covers the ABCs of bleeding as a method to stop an active bleed. For more information, see the expanded description on page 35.

Surgical History Group Poster Session

9:00 am-4:30 pm

LOCATION: Halls ABC

The Surgical History Group Poster Session will highlight the rich history of surgery. Posters will be presented by Fellows, residents, and medical students. These posters will be on

display Monday, October 28, through Wednesday, October 30. Presentations and judging will take place Monday from 12 noon-3 pm. The first- and second-place posters will be announced at the ACS Surgical History Group Breakfast on Tuesday morning.

Sponsored by the History and Archives Committee

Stop the Bleed®: Stop the Bleed Course and Instructor Course

9:45-11:15 am

LOCATION: MS 70-74

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and covers the ABCs of bleeding as a method to stop an active bleed. For more information, see the expanded description on page 35.

Code Blue: Resuscitating Rural Surgery Documentary

11:15 am-12:45 pm

LOCATION: MN 23

The *Code Blue: Resuscitating Rural Surgery* documentary focuses on both the needs and rewards associated with the field by rural surgery. The goal of the documentary is not just to recruit surgeons to practice in rural and underserved areas in the U.S., but to acknowledge the efforts of those surgeons answering this call. Produced by Meredith Corrado of Mexico, MO, the documentary features several ACS Fellows, members of the Advisory Council for Rural Surgery, past ACS Governors, and a past ACS Vice-President.

Sponsored by the Advisory Council for Rural Surgery and the Program Committee

Associate Fellow Special Interest Session:

Why Should I Become a FACS and How Do I Do It?

12:00 noon-1:00 pm

LOCATION: MN 22

This session describes what the Fellow of the American College of Surgeons (FACS) designation adds to your professional credentials. Young Fellows and application staff will discuss what the FACS means to them, the benefits from a junior faculty perspective, and the timeline and basic steps necessary to complete the FACS application.

Sponsored by the Resident and Associate Society

RAS-ACS Annual Business Meeting

12:00 noon-4:00 pm

LOCATION: Hilton San Francisco Continental Ballroom 1-2

TRACK(S): RES-MED

All resident attendees are encouraged to attend the Resident and Associate Society of the American College of Surgeons (RAS-ACS) Annual Business Meeting. The meeting, which will be led by the RAS-ACS Executive Committee, will include a description of RAS-ACS and its recent activities, and it will outline opportunities for members to become more active within the College.

Each of the five standing RAS-ACS Committees will meet for 35 minutes during the session to present their plans for the year and hold elections for leadership positions. Registration is not required.

Committee Schedule

12:45-1:25 pm	Advocacy and Issues
1:25-2:05 pm	Communications
2:05-2:45 pm	Education
2:45-3:25 pm	Membership
3:25-4:00 pm	Associate Fellow

Vice-Chair Elections

Each committee will elect the Vice-Chair position. If you are interested in running for a leadership role, be prepared to provide a brief presentation on what you can contribute to the position. A paper ballot will be distributed to elect the winner. The Vice-Chair position ascends to Chair of the respective RAS-ACS Committee the following year. Responsibilities include supporting the work of the committee, attending monthly conference calls, taking minutes or preparing the monthly call agenda, and serving in the role of Chair as needed.

Sponsored by the Resident and Associate Society

Medical Student Program Day III

1:00-6:00 pm

LOCATION: MN 25

TRACK(S): RES-MED

The ACS Division of Education invites students from all four years of medical school to participate in this program designed specifically for medical students considering a career in surgery. Programming varies from day to day, and students are welcome to attend all or selected portions of the three-day program.

The program is free to ACS Medical Student members who register in advance. Nonmembers will be charged a nominal registration fee. Please note that attendance is limited, and early registration is strongly suggested.

Topics will include exploring various lifestyle issues in surgery, decision making on the path to residency, navigating the residency application process, and interviewing successfully. Speakers will include College leaders and surgical educators at both the medical student and resident levels. Students are able to practice some basic surgical skills and hone their interviewing technique in interactive sessions with surgeons, as well as network with specialty surgeons, residency program directors, surgical residents, and others.

Tuesday's program will include a presentation by the Chair of the ACS Board of Regents, Gerald M. Fried, MD, FACS, FRCSC. This will be followed by a presentation by Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, Director, ACS Division of Education. Afterwards, students will learn the critical elements of the residency interview from an in-depth panel discussion and then will practice their interviewing skills during an interactive session with surgeons. They will then have the opportunity to informally network with residency program directors.

Sponsored by the Committee on Medical Student Education

Stop the Bleed®: Stop the Bleed Course and Instructor Course

2:30-4:00 pm

LOCATION: MS 70-74

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and

covers the ABCs of bleeding as a method to stop an active bleed. For more information, see the expanded description on page 35.

Young Fellows Association Speed Mentoring Program

4:00-5:00 pm

LOCATION: MS 312-314

TRACK(S): RES-MED

The Young Fellows Association (YFA) invites Resident Members and Associate Fellows interested in mentorship to participate in the fourth annual YFA Speed Mentoring Program. Surgeon mentors will be on hand to meet with Resident Members and Associate Fellows in a fast-paced, hour-long session that will allow each participant to cycle through and talk with at least six mentors on focused topics of interest.

This event is cosponsored by the YFA and the Resident and Associate Society of the American College of Surgeons (RAS-ACS). For more information, contact Alison Powers at yfellows@facs.org.

Sponsored by the Resident and Associate Society and Young Fellows Association

Rural Surgeons Open Forum and Oweida Scholarship Presentation

4:15-5:45 pm

LOCATION: MS 160

TRACK(S): RUS

The session opens with the introduction of the three 2019 Nizar N. Oweida Scholarship recipients:

- Christian Eusebio, MD, a general surgeon from *Tamuning, Guam*
- Courtney L. Olmsted, MD, MSCI, a general surgeon from *Morrisville, VT*
- Wei Wei, MD, FACS, a general surgeon from *Galax, VA*

The Advisory Council for Rural Surgery (ACRS) sponsors this open forum to facilitate direct communication with rural surgeons and the ACRS. Following a brief description of the current projects of the ACRS, we will hold an open forum with all in attendance. This forum will focus on recruitment efforts, call relief strategies, and how to get the resources you need to provide optimal care to your patients. The ACRS encourages you to bring your concerns to the open forum. The ACRS is committed to being your vehicle to make change, to be your voice to ACS leadership, and to make the ACS even more relevant to your practice. We are committed to helping you provide optimal surgical care to your patients in your community.

Sponsored by the Advisory Council for Rural Surgery

Stop the Bleed®: Stop the Bleed Course and Instructor Course

4:15-5:45 pm

LOCATION: MS 70-74

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and covers the ABCs of bleeding as a method to stop an active bleed. For more information, see the expanded description on page 35.

Pathways in Surgical Education for Residents and Medical Students

5:00-6:00 pm

LOCATION: MS 212

TRACK(S): RES-MED

Residents and medical students are invited to attend this session offered by the American College of Surgeons (ACS) Division of Education and the Association for Surgical Education (ASE), in conjunction with the ACS Clinical Congress 2019. During this session, participants will meet with well-known leaders in surgical education to explore opportunities for young surgeons in the following areas:

- Careers in surgical education
- Education research
- ACS and ASE committee involvement

This session is open to current residents and medical students only. There is no additional cost to attend this program.

Symposium for Surgical Palliative Care

6:00-8:00 pm

LOCATION: Hilton San Francisco Union Square Yosemite B

TRACK(S): GER

The Division of Education invites attendees to the fifth annual Symposium for Surgical Palliative Care, during which presenters will briefly discuss current research related to education, quality improvement, outcomes research, qualitative studies, and ongoing works in progress. An opportunity for lively discussion of this community's rich and varied academic work will follow.

Sponsored by the Committee on Surgical Palliative Care

Wednesday, October 30**Stop the Bleed®: Stop the Bleed Course and Instructor Course**

8:00-9:30 am

LOCATION: MS 70-74

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and covers the ABCs of bleeding as a method to stop an active bleed. For more information, see the expanded description on page 35.

Surgical History Group Poster Session

9:00 am-4:30 pm

LOCATION: Halls ABC

The Surgical History Group Poster Session will highlight the rich history of surgery. Posters will be presented by Fellows, residents, and medical students. These posters will be on display Monday, October 28, through Wednesday, October 30. Presentations and judging will take place Monday from 12 noon-3 pm. The first- and second-place posters will be announced at the ACS Surgical History Group Breakfast on Tuesday morning.

Sponsored by the History and Archives Committee

Stop the Bleed®: Stop the Bleed Course and Instructor Course

9:45-11:15 am

LOCATION: MS 70-74

This course is designed to train individuals on what to do as an immediate responder in a bleeding emergency, and covers the ABCs of bleeding as a method to stop an active bleed. For more information, see the expanded description on page 35.

Annual Business Meeting of Members

4:15-5:15 pm

LOCATION: MN 25

PRESIDENT PRESIDING:

Valerie W. Rusch, MD, FACS, *New York, NY*

Annual status reports are presented by the Chair of the Board of Regents, the Chair of the Board of Governors, the Executive Director, the Chair of the ACS Foundation Board of Directors, and the Chair of the ACSPA-SurgeonsPAC Board. Presentation of the Resident Award for Exemplary Teaching, the Jameson L. Chassin Award for Professionalism in General Surgery, and the Joan L. and Julius H. Jacobson II Promising Investigator Award will also take place. Reports from the Nominating Committee of the Board of Governors and the Nominating Committee of the Fellows will also be presented and the President-Elect and the Vice-Presidents-Elect will be introduced.

Report of the Chair of the Board of Regents

Gerald M. Fried, MD, FACS, FRCSC, *Montreal, QC*

Report of the Chair of the Board of Governors

Steven C. Stain, MD, FACS, *Albany, NY*

Report of the Executive Director of the College

David B. Hoyt, MD, FACS, *Chicago, IL*

Report of the Chair of the Board of Directors of the ACS Foundation

Mary H. McGrath, MD, MPH, FACS, *San Francisco, CA*

Report of the Chair of the Board of Directors of the ACSPA-SurgeonsPAC

William G. Cioffi, Jr., MD, FACS, *Providence, RI*

Presentation of the Resident Award for Exemplary Teaching
The President

Presentation of the Jameson L. Chassin Award for Professionalism in General Surgery
The President

Presentation of the Joan L. and Julius H. Jacobson II Promising Investigator Award
The President

Report of the Chair of the Nominating Committee of the Board of Governors; Announcement of Election of Regents; and the Election of Officers of the Board of Governors

Armando E. Giuliano, MD, FACS, *West Hollywood, CA*

Report of the Chair of the Nominating Committee of the Fellows; Nomination and Election of Governors and Officers of the American College of Surgeons

Marilyn Marx, MD, MBA, FACS, *Galveston, TX*

New business

Adjournment

NAMED LECTURES

Monday, October 28

NL01 | 9:00-9:30 am Martin Memorial Lecture: The Health of the Supreme Court

LOCATION: MW Ballroom

TRACK(S): GEN, URO

PRESIDING OFFICER:
Valerie W. Rusch, MD, FACS,
New York, NY

LECTURER: Nina Totenberg,
Washington, DC



Nina Totenberg

The Martin Memorial Lecture and the American Urological Association Lecture (AUA) have been combined for presentation immediately following the Opening Ceremony of the Clinical Congress. The AUA Lecture has been sponsored by the AUA since 1967 and has featured diverse topics in surgery. The Martin Memorial Lecture was established in 1946 to honor Franklin H. Martin, MD, FACS, founder of the College and his wife, Isabelle Hollister Martin.

Sponsored by the American Urological Association and alternately nominated by the Advisory Council for Urology and the ACS Honors Committee

NL01A | 9:45-10:45 am Meet and Greet with Nina Totenberg

LOCATION: MW 3024

Ms. Totenberg will be available after the Martin Memorial Lecture for a meet and greet.

Sponsored by the Program Committee

NL02 | 9:45-10:45 am John H. Gibbon, Jr., Lecture: Innovation: A Surgical Imperative

LOCATION: MS 303-304

TRACK(S): CTS

PRESIDING OFFICER AND INTRODUCER:
David T. Cooke, MD, FACS,
Sacramento, CA

LECTURER: Michael J. Mack, MD,
FACC, Dallas, TX

Established in 1971 to honor this pioneer in open-heart surgery.

Sponsored by the Advisory Council for Cardiothoracic Surgery



Michael J. Mack

NL03 | 2:30-3:30 pm Charles G. Drake History of Surgery Lecture: From Surgical Burnout to Wellness: The Secret to a Balanced Life

LOCATION: MS 303-304

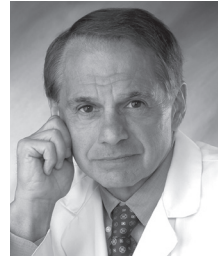
TRACK(S): NEU, GEN

PRESIDING OFFICER AND INTRODUCER:
William C. Welch, MD, FACS,
Philadelphia, PA

LECTURER: Joseph C. Maroon, MD, FACS, Pittsburgh, PA

Established by the Advisory Council for Neurological Surgery in 1992 to explore the historical development of surgery and to honor this leader in neurological surgery.

Sponsored by the Advisory Council for Neurological Surgery



Joseph C. Maroon

NL04 | 4:15-5:00 pm I.S. Ravdin Lecture in the Basic and Surgical Sciences: Response to Injury: The Genomic Storm and Precision Medicine

LOCATION: MW 3014-3018

TRACK(S): GEN, BTR

PRESIDING OFFICER AND INTRODUCER:
Amy L. Halverson, MD, FACS,
FASCRS, Chicago, IL

LECTURER: Ronald V. Maier, MD, FACS, FRCSEd(Hon),
FCSHK(Hon), FCCS(Hon), Seattle, WA

Sponsored by the I.S. Ravdin Surgical Society since 1964 to honor Dr. Ravdin by promoting knowledge in basic sciences with application to surgery



Ronald V. Maier

Tuesday, October 29

NL05 | 8:00-9:00 am Herand Abcarian Lecture: How to Navigate a Second Career in Surgery

LOCATION: MW Ballroom

TRACK(S): CRS, GEN

PRESIDING OFFICER AND INTRODUCER:
David E. Beck, MD, FACS, FASCRS,
New Orleans, LA

LECTURER: Patricia L. Roberts, MD,
FACS, FASCRS, Burlington, MA

Established by the Chicago Society of Colon and Rectal Surgery in 2006 to honor this colon and rectal surgeon and to address issues of relevance to the surgical community at-large and focus on emerging issues in surgery.

Sponsored by the Advisory Council for Colon and Rectal Surgery



Patricia L. Roberts

NL06 | 9:45-10:45 am**Excelsior Surgical Society/
Edward D. Churchill Lecture:
Blood and the Moving
Wheels of History**

LOCATION: MS 303-304

TRACK(S): GEN, TRA

PRESIDING OFFICER AND INTRODUCER:
Robert B. Lim, MD, FACS, FASMB, S,
*Honolulu, HI*LECTURER: Steven D. Schwartzberg, MD, FACS, *Buffalo, NY*

This lecture is named for the Excelsior Surgical Society, a group of 80 medical officers who met for the first time in 1945 at the Excelsior Hotel, Rome, Italy. This lecture also honors Col. Edward C. Churchill, a famous surgeon and consultant to the U.S. Army in the World War II Italian Theatre, who presented the first keynote address at the meeting.

Sponsored by the ACS Military Health System Strategic Partnership



Steven D. Schwartzberg

NL07 | 12:45-1:30 pm**Scudder Oration on Trauma:
A Perfect Storm**

LOCATION: MW Ballroom

TRACK(S): TRA

PRESIDING OFFICER AND INTRODUCER:
Eileen M. Bulger, MD, FACS,
*Seattle, WA*LECTURER: M. Margaret Knudson,
MD, FACS, *San Francisco, CA*

Honoring Charles Locke Scudder, a founding member of the College and a major contributor to the surgery of trauma.

Sponsored by the Committee on Trauma



M. Margaret Knudson

NL08 | 2:30-3:30 pm**Olga M. Jonasson Lecture:
Recapturing the Joy of Surgery**

LOCATION: MS 205-208, 213-216

TRACK(S): GEN

PRESIDING OFFICER AND INTRODUCER:
Susan E. Pories, MD, FACS,
*Cambridge, MA*LECTURER: Carol Scott-Conner, MD,
PhD, FACS, *Iowa City, IA*

Established by the Women in Surgery Committee to honor the memory of Olga M. Jonasson, MD, FACS, who died in August 2006. This lectureship is a testimony to leadership and education in surgery and a reflection of the capacity of women to reach academic pinnacles.

Sponsored by the Women in Surgery Committee



Carol Scott-Conner

Wednesday, October 30**NL09** | 8:00-9:00 am**Distinguished Lecture of the
International Society of Surgery:
The Role of Surgical Care in
Attaining Universal Health
Coverage for Sustainable
Development in Low- and
Middle-Income Countries**

LOCATION: MS 303-304

TRACK(S): HUM, INT

PRESIDING OFFICER AND INTRODUCER:
Raymond R. Price, MD, FACS, *Murray, UT*LECTURER: Emmanuel M. Makasa, BSc.HB, MBChB, MPH,
MMed(orth), *Lusaka, Zambia*

Established in 1990 and endowed by the U.S. Chapter of the International Society of Surgery to recognize the Society's worthwhile activities by honoring distinguished international surgeons.

Sponsored by the U.S. Chapter of the International Society of Surgery



Emmanuel M. Makasa

NL10 | 9:45-10:45 am**John J. Conley Ethics and
Philosophy Lecture: What We Talk
about When We Talk about Surgery**

LOCATION: MS 303-304

TRACK(S): ETH

PRESIDING OFFICER AND INTRODUCER:
Henri R. Ford, MD, MHA, FACS,
FAAP, FRCSEng(Hon), *Miami, FL*LECTURER: Margaret L. Schwarze, MD, FACS, *Madison, WI*

Sponsored by the Committee on Ethics and generously supported since 1991 by John J. Conley, MD, FACS, New York, NY, to explore ethical issues in surgery. Dr. Conley died in 1999, but his legacy continues and his memory is honored at this annual lecture.

Sponsored by the Committee on Ethics



Margaret L. Schwarze

NL11 | 12:45-1:45 pm**Commission on Cancer
Oncology Lecture: Pancreatic
Cancer: Progress and Prospects**

LOCATION: MW 3014-3018

TRACK(S): ONC

PRESIDING OFFICER AND INTRODUCER:
Heidi Nelson, MD, FACS,
*Rochester, MN*LECTURER: Andrew L. Warshaw, MD,
FACS, FRCSEd(Hon), *Boston, MA*

Established in 1988 to explore major developments in oncology and to focus on the surgeon's role in caring for cancer patients.

Sponsored by the Commission on Cancer



Andrew L. Warshaw

SPECIAL SESSIONS

These Special Sessions at Clinical Congress 2019 will provide an in-depth look at timely and important topics. There is no charge for these sessions, which will be held during the lunch hour. Attendees will have an opportunity to purchase a lunch before entering the session.

Monday, October 28

SL01 | 1:15-2:15 pm

ACS Academy of Master Surgeon Educators™

LOCATION: MS 303-304

TRACK(S): GEN

CO-MODERATORS: L.D. Britt, MD, MPH, DSc(Hon), FACS, FCCM, FRCSEng(Hon), FRCSEd(Hon), FWACS(Hon), FRCSI(Hon), FCSSA(Hon), FRCSGlas(Hon), *Norfolk, VA, and* Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*

PANELISTS:

Brenessa Lindeman, MD, MEHP, 2019 Initiate for ACS Fellowship

Carla M. Pugh, MD, PhD, FACS

Anton Nicholas Sidawy, MD, MPH, FACS

Developed under the auspices of the ACS Division of Education, the Academy of Master Surgeon Educators™, recognizes surgeon educators who have devoted their careers to surgical education. The Academy's mission is to play a leadership role in advancing the science and practice of education across all surgical specialties, promoting the highest achievements in the lifetimes of surgeons. The Inaugural Class was inducted into the Academy in October 2018, and the second cohort of Academy Members, Associate Members and Affiliate Members were inducted on October 4, 2019. The next application cycle will open in March 2020.

At this Special Session, an update on the Academy will be shared with Clinical Congress attendees and their feedback on the program will be sought. Panelists are Members or an Associate Member of the Academy who will address programs of the Academy, and share their perspectives on the importance of the Academy and how they have benefited from membership in the program.

Sponsored by the ACS Academy of Master Surgeon Educators™, ACS Division of Education

Tuesday, October 29

SL02 | 11:30 am-12:30 pm

ACS Membership Survey Results on Firearm Injury Prevention

LOCATION: MW Ballroom

TRACK(S): GEN, TRA

MODERATOR: Deborah A. Kuhls, MD, FACS, *Las Vegas, NV*

CO-MODERATOR: Ronald M. Stewart, MD, FACS, *Helotes, TX*

SPEAKER: Brendan T. Campbell, MD, FACS, *Las Vegas, NV*

This Special Session will present the results of the ACS member survey on firearm injury prevention and advocacy.

Sponsored by the Committee on Trauma

Wednesday, October 30

SL03 | 11:30 am-12:30 pm

Cancer Surgery and Quality of Care Standards

LOCATION: MW 3014-3018

TRACK(S): ONC

CO-MODERATOR: Kelly K. Hunt, MD, FACS, *Houston, TX*

CO-MODERATOR: Matthew H.G. Katz, MD, FACS, *Houston, TX*

Is your surgical resection on cancer patients adhering to the new Commission on Cancer quality metrics? Surgical standards (in breast, colon, lung, melanoma and rectal cancer) from the *Operative Standards for Cancer Surgery* manuals will be implemented as standards in the more than 1,500 Commission on Cancer accredited programs beginning in 2020. A panel of experts in this Special Session will discuss the standards and the supporting data and address opportunities and challenges associated with implementation of the technical and synoptic reporting requirements. Clinical Congress attendees will be encouraged to submit feedback during this session through an audience response system.

Sponsored by the ACS Cancer Programs

POSTGRADUATE COURSES

Postgraduate Courses and Fees

Postgraduate Courses include Didactic (DC) and Surgical Skills Courses (SC). **NOTE:** Registration for Lecture-Only sections of Surgical Skills Courses is open to attendees who would like to learn more about a procedure, but are not yet interested in participating in a hands-on skills lab. Only registered meeting attendees may purchase Postgraduate Course tickets. Seating capacities are limited and ticket requests will be filled on a first-come, first-processed basis. All Postgraduate Courses require a ticket for admission. Tickets for some Postgraduate Courses also may be purchased on site, subject to availability and any applicable course prerequisite requirements. Tickets may be exchanged for an alternate course before the start of the course and based on availability.

Description of Fee Categories

Fellow: A surgeon who is a Fellow of the American College of Surgeons (ACS)

Non-Fellow: A practicing physician who is not currently a member of the ACS

RAS: Associate Fellows, Resident Members, Medical Student Members, and Affiliate Members of the College

Non-RAS: A physician in training or member of the surgical team who is in an accredited training program or working in a surgery-related setting but has no affiliation with the College

ACS System for Verification of Knowledge and Skills

The American College of Surgeons (ACS) Board of Regents has approved a five-level model for verification and documentation of knowledge and skills by the Division of Education, following participation in the educational programs of the College. This model provides a framework for designing and implementing educational courses based on principles of contemporary surgical education and permits a provision of appropriate documentation to the attendees. The courses offered at Clinical Congress have been assigned verification levels of I, II, or III, based on the requirements for each level.

Level	Verification of	Requirement(s)
Level I	Attendance	Affirmation of attendance/course ticket; and course evaluation
Level II	Satisfactory completion of course objectives	Use of pre- and posttest* and course evaluation
Level III	Knowledge and skills	Formal assessment through pre- and posttest* and skills report card; and course evaluation
Level IV	Preceptor experience	Not available at Clinical Congress
Level V	Satisfactory patient outcomes	Not available at Clinical Congress

* A passing score of 75 percent or higher is required on the posttest.

All Postgraduate Courses with a designated verification level of II and III have a Self-Assessment (pre-and posttest) component toward Maintenance of Certification (MOC) Part 2. All requirements of these Postgraduate Courses must be completed in order to receive *AMA PRA Category 1 Credit(s)*[™] and count for Self-Assessment Credit toward Part 2 of the MOC Program.

Index to Postgraduate Courses

Admission to any Postgraduate Course is by ticket only.

Subject to availability, tickets may be purchased on-site for selected courses at the registration area in the Moscone Center.

DC: Didactic Courses

SC: Surgical Skills Courses

DC01	Emergency General Surgery Update.	43
DC02	Global Health Competencies for Surgeons: Cognitive and System Skills.	43
DC03	Surgical Education: Principles and Practice . .	44
DC04	Ethical Issues in Geriatric Surgical Care.	45
DC05	Annual Trauma Update.	45
DC06	Designing and Running a Prospective Surgical Clinical Trial.	46
DC07	Quality Systems-Based Practice: Measure Twice, Cut Once! Optimizing Surgical Systems of Care.	46
DC08	2019 Mastering General Surgery Coding. . . .	47
DC09	Annual Update in Surgical Critical Care	47
DC10	2019 Intensive Trauma and Critical Care Coding	48
DC11	General Surgery Review Course.	48
DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care	49
DC13	Successful Management of Your Private Practice	50
DC14	Put PEP in Your Step: Empowerment Practices in Leadership Development	50
DC15	Endoscopy: Updates	51
DC16	Keys to Success for Employed Surgeons	51
DC17	Health Literacy: Optimizing Care for the Underserved Populations	52
DC18	Transanal Techniques for Management of Rectal Polyps and Cancer.	52
DC19	Managing Your Team in the Operating Room	53

SC01	Advanced Skills Training for Rural Surgeons: Laparoscopic Common Bile Duct Exploration and Image-Guided Interventions of the Chest and Abdomen	54
SC02	Advanced Robotic Surgery for Complex Abdominal Cancers	54
SC03	Advanced Surgical Skills for Exposure in Trauma (ASSET™)	55
SC04	Surgical Endoscopy: Essential Skills in Foregut Surgery.	55
SC05	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME)	56
SC06	Thyroid, Parathyroid, and Neck Ultrasound ..	57
SC07	Transoral Thyroidectomy	58
SC08	Ultrasound-Guided Resuscitation for Trauma and Critically Ill Patients	59
SC09	Advanced Therapeutic Colonoscopy and Endoluminal Surgery	59
SC10	Contemporary Strategies for Minimally Invasive Hernia Repair	60
SC11	Fundamentals of Oncoplastic Breast Surgery	61
SC12	Basic Endovascular Skills for Trauma (BEST™) Workshop	62
SC13	State-of-the-Art Laparoscopic Colorectal Surgery	62
SC14	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals.	63

Didactic Courses (DC)

2019 Didactic Courses

DC01 | Emergency General Surgery Update

TRACK(S): GEN, TRA

6 credits, Verification Level II

Saturday, October 26; 8:00 am-3:30 pm

LOCATION: MW 2010

CO-CHAIR: Martin D. Zielinski, MD, FACS, *Rochester, MN*

CO-CHAIR: Stephanie A. Savage, MD, FACS, *Indianapolis, IN*

This day-long course will present a comprehensive review of emergency general surgery topics and is ideal for recent graduates preparing for the qualifying exam or seasoned surgeons engaged in the practice of emergency general surgery. We will cover all essentials of the current practice of emergency general surgery.

Session I

Saturday, 8:00-9:30 am

Difficult Gallbladder

Rondi B. Gelbard, MD, FACS, *Sandy Springs, GA*

Small Bowel Obstruction

Martin D. Zielinski, MD, FACS, *Rochester, MN*

Necrotizing Soft-Tissue Infection

Garth H. Utter, MD, MSc, FACS, *Sacramento, CA*

Session II

Saturday, 9:45-11:45 am

Minimally Invasive Necrotizing Pancreatitis

Nicholas J. Zyromski, MD, FACS, *Indianapolis, IN*

Incarcerated and Strangulated Hernias

B. Todd Heniford, MD, FACS, *Charlotte, NC*

Bariatric Emergencies

Jennifer N. Choi, MD, FACS, *Indianapolis, IN*

Session III

Saturday, 12:45-2:45 pm

Acute Management of Enterocutaneous Fistula

Mariela Rivera, MD, FACS, *Rochester, MN*

Emergency General Surgery Regionalization

Stephanie A. Savage, MD, FACS, *Indianapolis, IN*

The American Association for the Surgery of Trauma Emergency General Surgery Grading System

Marie L. Crandall, MD, FACS, *Jacksonville, FL*

Session IV

Saturday, 2:45-3:30 pm

Delirium and Pain Management American Association for the Surgery of Trauma (AAST) Geriatric Suggestion

Jody C. DiGiacomo, MD, FACS, *East Meadow, NY*

David Zonies, MD, MPH, FACS, *Portland, OR*

Sponsored by the Committee on Trauma and Advisory Council for General Surgery

DC02 | Global Health Competencies for Surgeons: Cognitive and System Skills

TRACK(S): HUM, INT

6 credits, Verification Level II

Saturday, October 26; 8:30 am-4:00 pm

LOCATION: MW 2005

CHAIR: Girma Tefera, MD, FACS, *Madison, WI*

CO-CHAIR: Doruk E. Ozgediz, MD, MSc, FACS, FAAP, *New Haven, CT*

This course will help prepare the international volunteer to understand characteristics of low-resource surgical environments, situational ethics, cultural competency, tropical diseases relevant to surgery, personal preparedness and health considerations, responsibilities as a health worker, and the scope of the essential surgical procedures as defined by *Disease Control Priorities, Third Edition*.

Session I: The Big Picture

Saturday, 8:35-10:00 am

Welcome and Overview of the Program

Girma Tefera, MD, FACS, *Madison, WI*

Global Surgery Landscape

Neema C. Kaseje, MD, MPH, *Mirebalais, Haiti*

Current Status on Global Injury

Sudha P. Jayaraman, MD, FACS, *Richmond, VA*

Current Status on Global Surgical Oncology

T. Peter Kingham, MD, *New York, NY*

Current Status on Global Pediatric Surgery

Stephen W. Bickler, MD, FACS, *San Diego, CA*

Invited Commentary

Mahanama Gunsekara, MBBS, MS, FRCSEng, FRCSEdin, FCSL, FRCPSGlasgow, *Colombo, Sri Lanka*María E Aponte Rueda, MD, PhD, FACS, *Caracas, Venezuela***Session II: The Big Picture Continued**

Saturday, 10:00-11:30 am

SECTION MODERATOR: Fiemu E. Nwariaku, MBBS, FACS, *Dallas, TX*

Current Status of Global Maternal Health

Felicia Lester, MD, MPH, *San Francisco, CA*

An Overview of Global Surgery Research

Thomas G. Weiser, MD, FACS, *Stanford, CA*

Development of an Ethics Framework for Global Surgery

Abdullah Saleh, MD, *Hamilton, Ontario*

Invited Commentary

Pankaj G. Jani, MBChB, MMed, FRCS, FCS, ECSA, *Nairobi, Kenya***Session III: Working Lunch: Topical Discussions**

Saturday, 11:30 am-12:30 pm

SECTION MODERATOR: Benedict C. Nwomeh, MD, MPH, FACS, *Columbus, OH*

Group Discussion of Questions

Benedict C. Nwomeh, MD, MPH, FACS, *Columbus, OH***Session IV: Clinical Problem Solving in Global Surgery**

Saturday, 12:30-2:00 pm

SECTION MODERATOR: Sudha P. Jayaraman, MD, FACS, *Richmond, VA*

Tropical Diseases of Surgical Relevance

Mary M. Ajiko, MBBS, FACS, *Abuja, Nigeria*

Orthopaedics: Fracture Management

Adrienne R. Socci, MD, *New Haven, CT*

Obstetrics: Postpartum Hemorrhage

Felicia Lester, MD, MPH, *San Francisco, CA*

Anesthesia

Michael S. Lipnick, MD, *San Francisco, CA*

Pediatric Surgery: Clinical Pearls

Emmanuel A. Ameh, MBBS, FACS, *Abuja, Nigeria*

Invited Commentary IV

Eric S. M. Talens, MD, FACS, *Quezon City, Philippines*Michael B. Ode, MBBS, FWACS, *Jos, Nigeria***Session V: Bringing It Together**

Saturday, 2:15-4:00 pm

SECTION MODERATOR: Edgar B. Rodas, MD, FACS, *Richmond, VA*

Introducing New Surgical Technology

Raymond R. Price, MD, FACS, *Murray, UT*

Nontechnical Skills for Surgeons

Egide Abahuje, MD, *Boston, MA*

Cultural Awareness

John L. Tarpley, MD, FACS, FWACS, *Nashville, TN*

Pragmatic Wrap-Up: How to Get Ready

Margaret J. Tarpley, MLS, *Nashville, TN*

Invited Commentary

Vishal Gupta, MBBS, MS, MCh, *Lucknow, India**Sponsored by Operation Giving Back***DC03 | Surgical Education: Principles and Practice**

TRACK(S): EDU

6 credits, Verification Level II

Saturday, October 26; 9:00 am-4:30 pm

LOCATION: MW 2007

CHAIR: Roy Phitayakorn, MD, FACS, *Boston, MA*CO-CHAIR: Adnan A. Alseidi, MD, FACS, *Seattle, WA*

The objective of this course is to enhance the teaching and assessment skills of surgeons active in medical student and resident education. The principles of adult learning, teaching technical skills, curriculum development, and feedback with performance evaluation will be reviewed. In addition, participants will develop an understanding of the practical applications of these principles, both in and out of the operating room. This course includes a workshop with interactive, small-group discussions.

Session I

Saturday, 9:00-10:45 am

Introductions | Goals and Objectives

Roy Phitayakorn, MD, FACS, *Boston, MA*Adnan A. Alseidi, MD, FACS, *Seattle, WA*Gerald A. Isenberg, MD, FACS, FASCRS, *Philadelphia, PA*

Adult Learning Theories

Roy Phitayakorn, MD, FACS, *Boston, MA*

Teaching Technical Skills

Adnan A. Alseidi, MD, FACS, *Seattle, WA***Session II**

Saturday, 11:00 am-12:15 pm

Teaching Formats

Adnan A. Alseidi, MD, FACS, *Seattle, WA*

Curriculum Design (Part I)

Gerald A. Isenberg, MD, FACS, FASCRS, *Philadelphia, PA*

Curriculum Design (Part II)

Gerald A. Isenberg, MD, FACS, FASCRS, *Philadelphia, PA***Session III**

Saturday, 2:45-4:30 pm

Individual Feedback vs. Evaluation

Adnan A. Alseidi, MD, FACS, *Seattle, WA*

Practice Giving Constructive Feedback

Gerald A. Isenberg, MD, FACS, FASCRS, *Philadelphia, PA*

Practice Giving Constructive Feedback

Adnan A. Alseidi, MD, FACS, *Seattle, WA*

Practice Giving Constructive Feedback

Roy Phitayakorn, MD, FACS, *Boston, MA**Sponsored by the Division of Education*

DC04 | Ethical Issues in Geriatric Surgical Care

TRACK(S): ETH, GER

4 credits, Verification Level II

Saturday, October 26; 12:30-4:45 pm

LOCATION: MW 2003

CHAIR: Peter Angelos, MD, FACS, *Chicago, IL*

CO-CHAIR: Ronnie A. Rosenthal, MD, FACS, *West Haven, CT*

This will be a targeted surgical ethics course focused on geriatric surgery. We will focus on shared decision making and surrogate decision making, assessing decision-making capacity, postoperative delirium and decision making, prehabilitation for surgery, and other topics. Other topics might include: challenges of informed consent in the geriatric population and cases when the patient/surrogate wants the choice that might not be optimal from a surgical perspective, (for example, increased risks of complications) but fits with the patient's wishes. In such cases, there is often a conflict between reducing risks and respecting choices.

Session I

Saturday, 12:30-2:00 pm

Introductory Remarks

Peter Angelos, MD, FACS, *Chicago, IL*

Coalition for Quality in Geriatric Surgery and Geriatric Surgery Verification Program

Ronnie A. Rosenthal, MD, FACS, *West Haven, CT*

Postoperative Delirium and Decision Making

Thomas N. Robinson, MD, FACS, *Bow Mar, CO*

Assessing Decision-Making Capacity

Victoria Tang, MD, MAS, *San Francisco, CA*

Session II

Saturday, 2:00-3:15 pm

Challenges of Informed Consent in the Geriatric Population

Emily V. Finlayson, MD, FACS, *San Francisco, CA*

What to Do When Patient/Surrogate Wants Non-Optimal Surgical Choice

Sabha Ganai, MD, PhD, MPH, FACS, *Springfield, IL*

Session III

Saturday, 3:15-4:45 pm

Goals of Care Discussions in the Context of Shared Decision Making

Piroska K. Kopar, MD, *St. Louis, MO*

Surrogate Decision Making in the Emergency Setting

Zara Cooper, MD, FACS, *Boston, MA*

Sponsored by the Committee on Ethics

DC05 | Annual Trauma Update

TRACK(S): TRA

6 credits, Verification Level II

Sunday, October 27; 8:00 am-3:30 pm

LOCATION: MW 2005

CHAIR: Jeffrey D. Kerby, MD, PhD, FACS, *Birmingham, AL*

CO-CHAIR: Cynthia L. Talley, MD, FACS, *Charleston, SC*

Trauma care continues to evolve with changes to diagnostic, resuscitation, operative, and critical care management of the injured patient. This course will identify all aspects of trauma, focusing on tried and true strategies where necessary, as well as the latest aspects of care and management that are changing trauma patient outcomes.

Session I

Sunday, 8:00-9:25 am

Introduction

Cynthia L. Talley, MD, FACS, *Charleston, SC*

Airway

Deborah M. Stein, MD, MPH, FACS, FCCM, *San Francisco, CA*

Blunt Cerebrovascular Injury

Nicole A. Stassen, MD, FACS, *Rochester, NY*

Neck Trauma

Stanley J. Kurek, DO, FACS, *Temple, TX*

Traumatic Brain Injury

Shelly D. Timmons, MD, PhD, FACS, FAANS, *Hummelstown, PA*

Session II

Sunday, 9:40-11:20 am

Chest Trauma

Laura N. Godat, MD, FACS, *San Diego, CA*

Chest Wall Plating

Ronald I. Gross, MD, FACS, *East Haddam, CT*

Solid Organ Injury

Shannon M. Foster, MD, FACS, *Reading, PA*

Flank Hernia

Jamie J. Coleman, MD, FACS, *Denver, CO*

Penetrating Torso Trauma

Kenji Inaba, MD, FACS, *Los Angeles, CA*

Session III

Sunday, 12:20-2:00 pm

Novelties and Adjuncts

Martin A. Schreiber, MD, FACS, *Portland, OR*

Hemorrhagic Shock

John R. Taylor, MD, *Little Rock, AR*

Orthopaedic Trauma

Anna N. Miller, MD, FACS, *St. Louis, MO*

Pediatric Trauma

Regan F. Williams, MD, FACS, *Memphis, TN*

Geriatric Trauma

Zara Cooper, MD, FACS, *Boston, MA*

Session IV

Sunday, 2:15-3:30 pm

Damage Control Abdomen

John A. Harvin, MD, MS, FACS, *Houston, TX*

Radiology Update

Christine S. Cocanour, MD, FACS, *Sacramento, CA*

Trauma Quality Improvement Program (TQIP) Verification, Review, and Consultation Program (VRC)

Michael C. Chang, MD, FACS, *Mobile, AL*

Wrap-Up

Jeffrey D. Kerby, MD, PhD, FACS, *Birmingham, AL*

Sponsored by the Committee on Trauma

DC06 | Designing and Running a Prospective Surgical Clinical Trial

TRACK(S): ONC, GEN

6 credits, Verification Level II

Sunday, October 27; 8:30 am-4:00 pm

LOCATION: MW 2003

CHAIR: Judy C. Boughey, MBBCh, FACS, *Rochester, MN*

CO-CHAIR: Kamal M. Itani, MD, FACS, *West Roxbury, MA*

This course is designed to teach the methodology of design and implementation of a clinical trial for surgeons interested in developing and leading a prospective trial. The course will cover development of hypotheses, and will discuss different trial designs, statistical concepts for clinical trials, ethics of clinical trials, biospecimen acquisition/correlative science, patient selection, trial implementation, trial management and monitoring, budget development, funding sources, accrual and dissemination of results. This Didactic Course will include panel sessions and question-and-answer sessions throughout the day for active engagement of the attendees. The course will provide surgeons the opportunity to learn how to design and conduct high-level clinical trials to evaluate treatment methods and procedures to advance the care of the surgical patients.

Session I

Sunday, 8:30-10:04 am

Introduction to Clinical Trials and Logistics, Ethics, and Equipoise in Clinical Trials

Judy C. Boughey, MBBCh, FACS, *Rochester, MN*

Hypothesis Development

Peter R. Nelson, MD, MS, FACS, *Tulsa, OK*

Trial Designs, Including Novel Technology and Window Trials

Matthew H. Katz, MD, FACS, *Houston, TX*

Session II

Sunday, 10:19-11:53 am

Statistics for Clinical Trials

Karla Ballman, PhD, *New York, NY*

Patient Selection, Data Monitoring, and Data and Safety Monitoring Board

Kamal M. Itani, MD, FACS, *West Roxbury, MA*

Surgeon Credentialing

James W. Fleshman, MD, FACS, *Dallas, TX*

Session III

Sunday, 12:53-2:27 pm

Correlative Aspects: Quality of Life, Patient-Reported Outcomes, Imaging, and Pathology Assessments in Clinical Trials

Matthew H. Katz, MD, FACS, *Houston, TX*

Budgeting and Funding a Clinical Trial

Eric L. Lazar, MD, MS, FACS, *Mendham, NJ*

Trial Implementation, Oversight, and Regulatory Aspects

George A. Sarosi, MD, FACS, *Gainesville, FL*

Session IV

Sunday, 2:42-4:00 pm

National Clinical Trials Network/Cancer Therapy Evaluation Program and How to Get Involved in the Cooperative Groups: Working with Industry Sponsors and the Food and Drug Administration

Anna Weiss, MD, *Boston, MA*

What Editors Look for in Trial Publication

Edward H. Livingston, MD, FACS, *Chicago, IL*

Sponsored by the Surgical Research Committee and the ACS Clinical Research Program Education Committee

DC07 | Quality Systems-Based Practice: Measure Twice, Cut Once! Optimizing Surgical Systems of Care

TRACK(S): EDU, INFO

6 credits, Verification Level II

Sunday, October 27; 9:00 am-4:30 pm

LOCATION: MW 2007

CHAIR: Harry C. Sax, MD, FACS, *Los Angeles, CA*

Surgeons continually seek ways to improve the care of their patients and the processes involved in doing so. This course will provide an overview of performance improvement tools, the acquisition and analysis of data, and practical applications. Experts in Lean, Six Sigma, Failure Mode and Effects Analysis, and Human Factors will work with the participants in solving case-based problems. The session will be interactive and hands on. Surgeons are in a unique position to maximize surgical care by applying principles of health systems engineering (HSE) to their practices. Simple HSE strategies can be used to identify potential problems, measure them in a feasible way, interpret results, propose solutions, and make adjustments as needed.

Session I

Sunday, 9:00-10:25 am

Introduction: What Are the Challenges?

Harry C. Sax, MD, FACS, *Los Angeles, CA*

How Do We Map a Process?

Paul M. Maggio, MD, FACS, *Stanford, CA*

Human Factors

Tara N. Cohen, PhD, *Los Angeles, CA*

IHI (Institute for Health Care Improvement)

Model for Improvement

Anthony D. Yang, MD, FACS, *Chicago, IL*

Session II

Sunday, 10:40 am-1:00 pm

Leading Change in the Operating Room

Juan A. Sanchez, MD, MPA, FACS, *Baltimore, MD*

Hands-On Experience : Lego Dot LEAN

Root-Cause Analysis/Fishbones

Rodrigo F. Alban, MD, FACS, *Los Angeles, CA*

Failure Mode and Effects Analysis

Harry C. Sax, MD, FACS, *Los Angeles, CA*

Carter Racing Scenario

Tara N. Cohen, PhD, *Los Angeles, CA*

Session III

Sunday, 2:00-3:10 pm

Debrief Carter Racing: Would You Race?

Harry C. Sax, MD, FACS, *Los Angeles, CA*

ACS National Surgical Quality Improvement Program (NSQIP®) Presentation and Charge

Anthony D. Yang, MD, FACS, *Chicago, IL*

Small-Group Discussion

ACS National Surgical Quality Improvement Program (NSQIP®) Debrief and Presentation

Anthony D. Yang, MD, FACS, *Chicago, IL*

Session IV

Sunday, 3:25-4:30 pm

What Are Your Challenges?

Debrief and Discussion

Closing Comments

Harry C. Sax, MD, FACS, *Los Angeles, CA*

Sponsored by the Committee on Emerging Surgical Technology and Education

DC08 | 2019 Mastering General Surgery Coding

TRACK(S): HP

6.5 credits, Verification Level II

Sunday, October 27; 9:45 am-5:45 pm

LOCATION: MW 2010

CHAIR: Samuel D. Smith, MD, FACS, *Little Rock, AR*

CO-CHAIR: Lee R. Morisy, MD, FACS, *Memphis, TN*

At the end of this Postgraduate Course, participants will be able to correctly code common general surgery procedures including breast, endoscopy, colorectal, bariatric, trauma, gallbladder, liver, hernia, and more; identify areas for improvement in surgical documentation; accurately apply modifiers when they are required and understand their impact on reimbursement; understand how to report and get paid for unlisted procedures; and integrate 2019 Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) coding changes and guidelines into practice.

Session I

Sunday, 9:45-11:15 am

Introduction

Samuel D. Smith, MD, FACS, *Little Rock, AR*

Lee R. Morisy, MD, FACS, *Memphis, TN*

Global Surgical Package and Modifiers

Documentation for Unlisted Procedures

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Session II

Sunday, 11:30 am-1:00 pm

Coding for Radiology for Surgeons/ New Codes (Gastrotomy Tube and Peripherally Inserted Central Catheter)/

Hernia Repair/ Gallbladder and Liver

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Session III

Sunday, 2:00-3:30 pm

Coding for Endoscopy/ Colorectal

Debridement and Wound Vacuum-Assisted Closure (VAC)/ Damage Control

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Session IV

Sunday, 3:45-5:45 pm

Coding for Appendix/ Bariatric/ Breast/Endocrine/ Intra-Abdominal Lesions

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Sponsored by the General Surgery Coding and Reimbursement Committee

DC09 | Annual Update in Surgical Critical Care

TRACK(S): TRA

6 credits, Verification Level II

Monday, October 28; 9:45 am-5:15 pm

LOCATION: MW 2005

CHAIR: Mark J. Seamon, MD, FACS, *Philadelphia, PA*

CO-CHAIR: Jennifer L. Hartwell, MD, FACS, *Zionsville, IN*

Surgical critical care is constantly evolving. The purpose of this course is to provide a succinct, practical review of the major changes that should be integrated into your practice. This will be a fast-paced review of the relevant aspects of critical care that is intended to refresh and reeducate the learner. The moderators will choose national experts to distill the current trends in clinical management and review the literature to provide practical tips for implementing these trends into practice.

Session I

Monday, 9:45-11:15 am

Cardiovascular Updates in Surgical Critical Care

Samuel A. Tisherman, MD, FACS, *Baltimore, MD*

Pulmonary Updates in Surgical Critical Care

Niels D. Martin, MD, FACS, FCCM, *Philadelphia, PA*

Hematology, Transfusion, and Resuscitation Updates in Surgical Critical Care

Jordan A. Weinberg, MD, FACS, *Phoenix, AZ*

Session II

Monday, 11:30 am-1:00 pm

Renal Updates in Surgical Critical Care

Lewis J. Kaplan, MD, FACS, FCCM, FCCP, *Philadelphia, PA*

Infectious Disease Updates in Surgical Critical Care

Ruby A. Skinner, MD, FACS, FCCP, FCCM, *Shell Beach, CA*

Session III

Monday, 2:00-3:30 pm

Neurological Updates in Surgical Critical Care

Deborah M. Stein, MD, MPH, FACS, FCCM, *San Francisco, CA*

Gastrointestinal and Nutrition Updates in Surgical Critical Care

Paula Ferrada, MD, FACS, *Richmond, VA*

Endocrine Updates in Surgical Critical Care

Randi N. Smith, MD, *Atlanta, GA*

Session IV

Monday, 3:45-5:15 pm

Palliative Care and Ethics Updates in Surgical Critical Care

Nicole A. Stassen, MD, FACS, *Rochester, NY*

Documentation, Billing, and Coding Updates in Surgical Critical Care

Robert L. Reed II, MD, FACS, FCCM, *Indianapolis, IN*

Sponsored by the Committee on Trauma

DC10 | 2019 Intensive Trauma and Critical Care Coding

TRACK(S):HP

6.5 credits, Verification Level II

Monday, October 28; 9:45 am-5:45 pm

LOCATION: MW 2003

CHAIR: Megan E. McNally, MD, FACS, *Mission Hills, KS*

CO-CHAIR: Linda M. Barney, MD, FACS, *Dayton, OH*

At the conclusion of this course, participants will be able to do the following: discuss how the pre-, intra-, and postoperative component of trauma procedures are valued; understand the difference between co-surgery and assistant surgery in trauma; describe how surgical modifiers are used in trauma and how they impact payment; describe accurate coding of common trauma surgical scenarios; apply coding concepts to complex trauma surgeries, including multiple injuries and damage control surgery; apply modifiers to evaluation and management and critical care services; and identify scenarios when critical care coding is appropriate.

Session I

Monday, 9:45-11:15 am

Introduction

Megan E. McNally, MD, FACS, *Mission Hills, KS*

Linda M. Barney, MD, FACS, *Dayton, OH*

Global Surgical Package and Modifiers for Trauma and Critical Care Services/ Highlights of Trauma Diagnosis Coding

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Session II

Monday, 11:30 am-1:00 pm

Trauma Procedure Coding

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Session III

Monday, 2:00-3:30 pm

Wound Repair/ Evaluation and Management (EM) and Critical Care Coding/ Critical Care and Place of Service/ Calculating Critical Care Time/ Concurrent Critical Care Coding

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Session IV

Monday, 3:45-5:45 pm

Critical Care Services and Other EM Services/ Critical Care Services during a Global Period/Teaching Physicians and Critical Care/ Reporting Critical Care for Nurse Practitioners (NPs) and Physician Assistants (PAs)/ Documenting Critical Care

Teresa Romano, BSN, MBA, CPC, CMDP, *Chicago, IL*

Sponsored by the General Surgery Coding and Reimbursement Committee

DC11 | General Surgery Review Course (Two-Day Course)

TRACK(S):GEN

12 credits, Verification Level II

Part I: 5 Sessions

Monday, October 28; 10:00 am-5:00 pm

Part II: 3 Sessions

Tuesday, October 29; 8:00 am-4:00 pm

LOCATION: MS 156

CHAIR: Travis P. Webb, MD, MHPE, FACS, *Milwaukee, WI*

CO-CHAIR: Mike K. Liang, MD, FACS, *Houston, TX*

This two-day course will provide a concise review of essential content areas in general surgery. A distinguished faculty will use an interactive case-based format that will cover the majority of core elements of general surgery, including abdomen, gastrointestinal tract, trauma, critical care, breast, endocrine, vascular, and perioperative care. Questions will be available for review by participants prior to the course. During the course, an interactive audience response system will be used. The correct answers will be discussed by the faculty. At the conclusion of the course, participants will receive a syllabus with all questions, answers, and supporting discussions.

PART I**Session I: Benign Abdomen**

Monday, 10:00-11:40 am

MODERATOR: Mike K. Liang, MD, FACS, *Houston, TX*

Hepatobiliary

Giana H. Davidson, MD, FACS, *Seattle, WA*

Pancreas

Thomas E. Clancy, MD, FACS, *Boston, MA*

HerniaMichele M. Loor, MD, FACS, *Houston, TX***Esophagus**Mike K. Liang, MD, FACS, *Houston, TX***Bowel Obstruction**Caroline E. Reinke, MD, FACS, *Charlotte, NC***Session II: Malignant Abdomen**

Monday, 12:40-2:20 pm

MODERATOR: Michael G. House, MD, FACS, *Indianapolis, IN***Esophagogastric**Mark W. Onaitis, MD, FACS, *La Jolla, CA***Gastrointestinal Stromal Tumors (GIST) and Carcinoid**Michael G. House, MD, FACS, *Indianapolis, IN***Hepatobiliary Malignancies**Kristin L. Mekeel, MD, FACS, *La Jolla, CA***Colorectal Malignancies**Heather L. Yeo, MD, FACS, *New York, NY***Pancreatic Malignancies**Katherine T. Morris, MD, FACS, *Oklahoma City, OK***Session III: Breast**

Monday, 2:30-3:40 pm

MODERATOR: Amy C. Degnim, MD, FACS, *Rochester, MN***Benign Breast Disease and Genetic Risk**Elisa R. Port, MD, FACS, *New York, NY***Breast Cancer**Amy C. Degnim, MD, FACS, *Rochester, MN***Session IV: Endocrine**

Monday, 3:40-4:15 pm

MODERATOR: Amy C. Degnim, MD, FACS, *Rochester, MN***Thyroid and Parathyroid**Benzon Dy, MD, FACS, *Rochester, MN***Session V: Vascular**

Monday, 4:15-5:00 pm

MODERATOR: Travis P. Webb, MD, MHPE, FACS, *Milwaukee, WI***Arteriovenous (AV) Access**Melanie R. Hoehn, MD, *Baltimore, MD***Mesenteric Ischemia**Melanie R. Hoehn, MD, *Baltimore, MD***Acute Limb Ischemia**Melanie R. Hoehn, MD, *Baltimore, MD***Vascular Trauma**Melanie R. Hoehn, MD, *Baltimore, MD***PART II****Session I: Trauma**

Tuesday, 8:00-9:50 am

MODERATOR: David J. Milia, MD, FACS, *Milwaukee, WI***Resuscitation, Blood Products, and Traumatic Brain Injury**David J. Milia, MD, FACS, *Milwaukee, WI***Neck and Chest Trauma**Sasha D. Adams, MD, FACS, *Houston, TX***Abdomen, Pelvis, and Extremity Trauma**Travis P. Webb, MD, MHPE, FACS, *Milwaukee, WI***Session II: Critical Care**

Tuesday, 10:10 am-12 noon

MODERATOR: David J. Milia, MD, FACS, *Milwaukee, WI***Acute Lung Injury**Anuoluwapo F. Elegbede, MD, *Milwaukee, WI***Cardiac Critical Care**Anuoluwapo F. Elegbede, MD, *Milwaukee, WI***Sepsis**Panna A. Codner, MD, FACS, *Milwaukee, WI***Nutrition**Panna A. Codner, MD, FACS, *Milwaukee, WI***Session III: Perioperative Care**

Tuesday, 1:00-4:00 pm

MODERATOR: Travis P. Webb, MD, MHPE, FACS, *Milwaukee, WI***Gastrointestinal Issues and Prophylaxis**Travis P. Webb, MD, MHPE, FACS, *Milwaukee, WI***Venous Thromboembolic Disease and Novel****Anticoagulants**David J. Milia, MD, FACS, *Milwaukee, WI***Antibiotic Use**Travis P. Webb, MD, MHPE, FACS, *Milwaukee, WI***Wound Care**Jacob Peschman, MD, *Milwaukee, WI***Pain Management**Jacob Peschman, MD, *Milwaukee, WI***Medical Ethics**Travis P. Webb, MD, MHPE, FACS, *Milwaukee, WI**Sponsored by the Division of Education***DC12 | Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality, Patient-Centered Care**

TRACK(S): ETH, GER

4 credits, Verification Level II

Monday, October 28; 1:00-5:15 pm

LOCATION: MW 2007

CHAIR: Emily B. Rivet, MD, FACS, *Richmond, VA*CO-CHAIR: Christine C. Toevs, MD, FACS, *Terre Haute, IN*

Surgeons are leading the way in caring for individuals with complex or sudden acute illness, in addition to providing long-term care for chronic serious conditions. In this case-based and interactive course, a panel of national experts in palliative care, geriatric surgery, ethics and a variety of surgical disciplines will provide cutting-edge, evidence-based strategies to optimize symptom management and communication and improve outcomes and quality of life for seriously ill surgical patients. Practical approaches to complex medical decision making, symptom management, communication, and prognostication will be taught and applied during skills stations and interactive group sessions. There

will be a focus on opioid-prescribing and opioid-sparing approaches to pain management that will satisfy many states' requirement for Continuing Medical Education focused on opioids and pain management.

Session I

Monday, 1:00-2:50 pm

Opioids and Pain Management

Emily B. Rivet, MD, FACS, *Richmond, VA*

Communication: Best Case/Worst Case

Susan D. McCammon, MD, FACS, *Galveston, TX*

Session II

Monday, 3:05-5:15 pm

Symptom Management

Timothy R. Siegel, MD, FACS, *Portland, OR*

Surgical Trajectory and Decision Making

Bridget N. Fahy, MD, FACS, *Albuquerque, NM*

Sponsored by the Committee on Surgical Palliative Care and the Patient Education Committee

DC13 | Successful Management of Your Private Practice

TRACK(S): GEN, RES-MED, RUS

6 credits, Verification Level II

Tuesday, October 29; 8:00 am-3:30 pm

LOCATION: MW 2003

CHAIR: David C. Borgstrom, MD, MBA, FACS, *Morgantown, WV*

CO-CHAIR: Michael D. Sarap, MD, FACS, *Cambridge, OH*

The course will review strategies to develop, maintain, and grow a private general surgery practice. Topics will include information on the following: contracts, insurance, vendors, recruiting and developing office staff; developing expertise; how to optimize billing electronic health records and hospital interface; optimizing clinical practice niche; partnership and call coverage; and strategies to succeed in your practice.

Session I

Tuesday, 8:00-10:50 am

Introduction

David C. Borgstrom, MD, MBA, FACS, *Morgantown, WV*

Yes! You Can Start a New Practice

Debra Phairas, MBA, *Napa, CA*

Coding and Reimbursement for the Private Surgical Practice

Christopher K. Senkowski, MD, FACS, *Savannah, GA*

A Primer on Contracts

Margaret M. Dunn, MD, MBA, FACS, *Beavercreek, OH*

Session II

Tuesday, 10:50 am-12 noon

Self-Employment vs. Hospital/Foundation Affiliation

Debra Phairas, MBA, *Napa, CA*

Building Relationships and Goodwill in a Community

Michael D. Sarap, MD, FACS, *Cambridge, OH*

Session III

Tuesday, 1:00-2:25 pm

The Revenue Cycle/Practice Analytics

Maribeth Wright, CPA, *Cambridge, OH*

Augmenting Private Practice with New Techniques and Skills

Charles W. Dunn, MD, FACS, *Springfield, MO*

Session IV

Tuesday, 2:25-3:30 pm

Large Group Private Surgical Practice and Hospital Relationships

Timothy W. Bax, MD, FACS, *Spokane, WA*

Final Comments

David C. Borgstrom, MD, MBA, FACS, *Morgantown, WV*

Sponsored by the Advisory Council for Rural Surgery and the Program Committee

DC14 | Put PEP in Your Step: Empowerment Practices in Leadership Development

TRACK(S): EDU, GEN

4 credits, Verification Level II

Tuesday, October 29; 8:30 am-12:45 pm

LOCATION: MW 2005

CHAIR: Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

CO-CHAIR: Tanya L. Zakrisson, MD, FACS, FRSCS, MPH, *Miami, FL*

Respect, civility, and tolerance remain essential components of humanism. We believe constant application of these principles to all interpersonal interactions enriches the personal and professional environments. Discrimination, harassment, and the creation of a hostile working environment on the basis of personal attributes does exist in the surgical workplace and is dangerous. We will share personal empowerment practices (PEP) to strengthen individual awareness of personal vulnerabilities; increase understanding of others' vulnerabilities; optimize the ability to recognize potential harm in the environment; and improve efficacy in prevention and treatment of discrimination/harassment. This will be accomplished by training in implicit bias, self-awareness, meaningful conversation techniques, mediation, and resource access and utilization.

Session I

Tuesday, 8:30-10:00 am

Welcome

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Introduction: Why Do We Still Need to Talk about This?

A Review of the Current Environment

Tanya L. Zakrisson, MD, FACS, FRSCS, MPH, *Miami, FL*

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Back to Basics: Big Bird and Employment Law

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Tanya L. Zakrisson, MD, FACS, FRSCS, MPH, *Miami, FL*

Employment Law Case Studies in Small Groups Related to Harassment/Bullying

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Tanya L. Zakrisson, MD, FACS, FRSCS, MPH, *Miami, FL*

Session II

Tuesday, 10:15 am-12:45 pm

Implicit Bias: How Do You Know What You Don't Know
Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Take Online Assessments (IAT, and so on)

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Burnout and Well-Being: It's Not Me, It's You

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Using a "Micro" Scope: Microaggressions and Microcultures

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD*

Conclusion and Group Thoughts

Michele A. Manahan, MD, MBA, FACS, *Baltimore, MD**Sponsored by the Women in Surgery Committee***DC15 | Endoscopy: Updates**

TRACK(S): GEN, RUS

6 credits, Verification Level II

Tuesday, October 29; 9:00 am-4:30 pm

LOCATION: MW 2007

CHAIR: Mark W. Puls, MD, FACS, *Alpena, MI*CO-CHAIR: Richard L. Whelan, MD, FACS, FASCRS,
New York, NY

This course is designed to be an update for surgeons that perform upper and lower endoscopies in their everyday practices. Through case-based discussions, common and uncommon pathology will be reviewed. Topics will include: control of upper gastrointestinal (UGI) bleeding and lower gastrointestinal (LGI) bleeding sources; methods to improve colonoscopy completion; esophageal foreign body; increasing adenoma detection rate during colonoscopy (chromoendoscopy, autofluorescence); polypectomy (hot snare/cold snare/saline lift/endomucosal resection/endoscopic submucosal dissection/laparoscopic-assisted colonoscopic polypectomy); indications for stents; percutaneous endoscopic gastrostomy (PEG) tubes; complications of UGI and LGI endoscopy; gastroesophageal (GE) reflux/Barrett's esophagus/esophageal cancer; dysphagia workup; current guidelines for screening colonoscopy and follow-up colonoscopy; rectal foreign body; and endoscopic means of dealing with anastomotic leaks, enterocutaneous fistulas, and so on.

Session I

Tuesday, 9:00-10:33 am

Introductory Statements

Mark W. Puls, MD, FACS, *Alpena, MI*Current Guidelines for Screening Colonoscopy and
Follow-Up ColonoscopySharon L. Stein, MD, FACS, *Cleveland, OH*

Methods to Improve Colonoscopy Completion

Daniel L. Feingold, MD, FACS, *Tenafly, NJ*

Increasing Adenoma Detection Rate during Colonoscopy

Emre Gorgun, MD, FASCRS, FACS, *Cleveland, OH*

Complications of Lower Gastrointestinal Endoscopy

Jeffrey L. Cohen, MD, FACS, FASCRS, CPE, *Wethersfield, CT***Session II**

Tuesday, 10:48-11:57 am

Polypectomy Techniques

Richard L. Whelan, MD, FACS, FASCRS, *New York, NY*Advanced Polypectomy: Endomucosal Resection/Endo-
scopic Submucosal DissectionPeter W. Marcello, MD, FACS, *Burlington, MA*

Laparoscopic-Assisted Colonoscopic Polypectomy

Sang W. Lee, MD, FACS, *Los Angeles, CA***Session III**

Tuesday, 12:57-2:29 pm

Things That Bleed and How to Treat Them

Julie A. Conyers, MBA, MD, FACS, *Ketchikan, AK*Gastroesophageal Reflux, Barrett's Esophagus, and
Esophageal Cancer

Please see addendum and Clinical Congress App.

Dysphagia Workup, Esophageal Foreign Body, Percutane-
ous Endoscopic Gastrostomy (PEG) Tubes, and Complica-
tions of Upper Gastrointestinal EndoscopyMark T. Savarise, MD, FACS, *South Jordan, UT*

Case Presentations

Mark W. Puls, MD, FACS, *Alpena, MI***Session IV**

Tuesday, 2:44-4:30 pm

Rectal Foreign Body

Nipa D. Gandhi, MD, FACS, *New York, NY*

Control of Lower Gastrointestinal Bleeding

Glenn T. Ault, MD, FACS, *Los Angeles, CA*

Colonic Stents

Andreas M. Kaiser, MD, FACS, FASCRS, *Los Angeles, CA*Endoscopic Means of Dealing with Leaks, Enterocutaneous
Fistula, and so onJeffrey M. Marks, MD, FACS, *Cleveland, OH**Sponsored by the Advisory Council for Rural Surgery***DC16 | Keys to Success for Employed Surgeons**

TRACK(S): HP

4 credits, Verification Level II

Wednesday, October 30; 8:30 am-12:45 pm

LOCATION: MW 2010

CHAIR: Christopher K. Senkowski, MD, FACS, *Savannah, GA*CO-CHAIR: Jayme D. Lieberman, MD, FACS, *Allentown, PA*

This course will provide valuable information for surgeons considering institutional or hospital-based employment, or who are currently employed in one of these settings. It will cover different employment types and settings; understanding an offer of employment; a surgeon's duties, rights, and obligations to an employer; contract negotiations; compensation; and more. As the economy continues to put pressure on hospitals and physicians to lower cost and improve quality, hospitals increasingly need physicians for growth. It is critical that surgeons are able to navigate the various aspects of employment especially considering resources available to surgeons on this topic are limited.

Session I

Wednesday, 8:30-10:35 am

The Modern Surgical Workforce: Employment Trends in the Twenty-First Century

Christopher K. Senkowski, MD, FACS, *Savannah, GA*

Understanding Compensation Models

Don J. Selzer, MD, FACS, *Indianapolis, IN*

Demystifying Relative Value Units (RVUs):

How a Surgeon Is Valued in 2019

Jayme D. Lieberman, MD, FACS, *Allentown, PA*

Fair Market Value: Know Your Worth

Wayne Hartley, MHA, *New York, NY***Session II**

Wednesday, 10:50 am-12:45 pm

Understanding Contracts: Key Terms Explained

Ann M. Bitteringer, Esq., *Jacksonville, FL*

Understanding Contracts: Key Terms Explained

Jason P. Wilson, MD, MBA, FACS, *Clearwater, FL*

Find and Sign: Finding the Right Practice and

Signing the Right Contract

Caroline Leistikow, *Charleston, SC*

How to Ask for What You Want: Success Strategies for Surgeons

Christopher K. Senkowski, MD, FACS, *Savannah, GA**Sponsored by the General Surgery Coding and Reimbursement Committee and the Advisory Council for General Surgery***DC17 | Health Literacy: Optimizing Care for the Underserved Populations**

TRACK(S): EDU, RES-MED

4 credits, Verification Level II

Wednesday, October 30; 10:00 am-2:15 pm

LOCATION: MW 2003

CHAIR: Kenneth B. Simon, MD, FACS, *Jackson, MS*CO-CHAIR: Barbara J. Pettitt, MD, FACS, *Atlanta, GA*

Health literacy is defined as an individual's ability to obtain, communicate, and understand health information. Low health care literacy can adversely impact patients' access to care, quality of care, the use of available services, and the ability to develop a productive relationship with a health care provider or organization. Health literacy affects ninety percent of the population with the greatest impact on the underserved populations, such as inner-city communities, rural communities, and communities where English is a second language.

Session I

Wednesday, 10:00-11:40 am

Introductions

Susan Steinemann, MD, FACS, *Honolulu, HI*Kenneth B. Simon, MD, FACS, *Jackson, MS*

The Evolution of the Use of Technology and Simulation to Improve Surgical Recovery: Techniques for All Levels of Literacy

Alden M. Parsons, MD, FACS, *Raleigh, NC*

The Health Literacy Gap and Graduate Medical Education

Quan P. Ly, MD, FACS, *Omaha, NE*The Health Literacy Gap and Graduate Medical Education
Catina O'Leary, PhD, *St. Louis, MO***Session II**

11:55 am-2:15 pm

Approaches and Barriers to Explaining Difficult Situations to Patients and Their Families

Kamran Idrees, MD, FACS, *Nashville, TN*

Overcoming Barriers for Effective Communication to Non-English Speaking Patients

Armando de Alba Rosales, MD, MPH, *Omaha, NE*

Developing a Health Literacy Curriculum for Medical Residents and Students

Ruth Parker, MD, MACP, *Atlanta, GA**Sponsored by the Committee on Diversity Issues, the Committee on Medical Student Education, the Board of Governors Patient Education Workgroup, and the Patient Education Committee***DC18 | Transanal Techniques for Management of Rectal Polyps and Cancer**

TRACK(S): CRS

6 credits, Verification Level II

Wednesday, October 30; 9:30 am-5:00 pm

LOCATION: MW 2005

CHAIR: Sam Atallah, MD, FACS, *Orlando, FL*CO-CHAIR: Dana R. Sands, MD, FACS, FASCRS, *Weston, FL*

Transanal approaches to rectal polyps and cancers have become more common with the advent of transanal minimally invasive surgery. This course will expose participants to available platforms with techniques for local excisions of rectal polyps and early rectal cancers. In addition, it will allow participants to learn transanal total mesorectal excision.

Session I

Wednesday, 9:30-11:00 am

Transanal Minimally Invasive Surgery (TAMIS) and Transanal Endoscopic Microsurgery (TEM): Nuts and Bolts

Elisabeth C. McLemore, MD, FACS, FASCRS, *Los Angeles, CA*

TAMIS vs. TEM: Is There a Difference?

Lawrence Lee, MD, PhD, *Montreal, Quebec*

Understanding the Indications for Local Excision
Elizabeth R. Raskin, MD, FACS, FASCRS, *Loma Linda, CA*

Why Do I Need an Advanced Transanal Platform to Do
Local Excision of Rectal Cancer?

Theodore J. Saclarides, MD, FACS, *Chicago, IL*

Questions and Answers

Sam Atallah, MD, FACS, *Orlando, FL*

Session II

Wednesday, 11:15 am-12:45 pm

Technical Challenges: Peritoneal Entry

Mark H. Whiteford, MD, FACS, *Portland, OR*

TAMIS: Technical Steps, Tips, and Tricks

Matthew R. Albert, MD, FACS, *Orlando, FL*

Closing the Defect after Local Excision:

How Do I Do It? Is It Necessary?

Carl J. Brown, MD, *Vancouver, BC*

Special Challenges: Neoadjuvant Therapy, Local Excision,
and CPR

Rodrigo O. Perez, MD, *Sao Paulo, Brazil*

Questions and Answers

Dana R. Sands, MD, FACS, FASCRS, *Weston, FL*

Session III

Wednesday, 1:45-3:15 pm

taTME: Technical Steps of the Procedure

Karen Zaghiyan, MD, FACS, *West Hollywood, CA*

taTME: Anastomotic Techniques

Please see addendum and Clinical Congress App.

Understanding the Technical Steps of taTME with
Color-Enhanced Video

Joep Knol, MD, *Hasselt, Belgium*

taTME: How I Do It

Antonio M. Lacy, MD, *Barcelona, Spain*

Questions and Answers

Sam Atallah, MD, FACS, *Orlando, FL*

Session IV

Wednesday, 3:30-5:00 pm

taTME: Key Anatomic Points and Pearls

Sam Atallah, MD, FACS, *Orlando, FL*

Urethral Injury, CO2 Embolism, and Local Recurrence: Is
taTME Even Safe?

Justin A. Maykel, MD, FACS, *Worcester, MA*

Implementing a taTME Program at Your Center

Patricia Sylla, MD, FACS, *New York, NY*

Advanced Techniques: Expanding the Scope of taTME with
Lateral Lymph Node Dissection

Masaaki Ito, PhD, MD, *Kashiwa, Japan*

Questions and Answers

Dana R. Sands, MD, FACS, FASCRS, *Weston, FL*

*Sponsored by the Advisory Council for Colon and
Rectal Surgery*

DC19 | Managing Your Team in the Operating Room

TRACK(S):EDU

4 credits, Verification Level II

Wednesday, October 30; 1:15-5:30 pm

LOCATION: MW 2007

CHAIR: Douglas S. Smink, MD, MPH, FACS, *Boston, MA*

CO-CHAIR: Steven Yule, PhD, *Boston, MA*

The surgeon's nontechnical skills (situational awareness, decision making, leadership, communication, and teamwork) are essential for safe surgical care, yet these skills are rarely taught or assessed. Participants in this workshop will gain awareness of the impact of nontechnical skills on patient safety in the operating room. The workshop will be structured around the four categories of nontechnical skills in NOTSS (Non-Technical Skills for Surgeons). The conceptual background of each category will be described. Participants will view and discuss simulated operations, focusing on the observable behaviors of the surgeons involved. Structured methods of analyzing behavior will be used to aid this process in an interactive manner. Participants will gain knowledge of NOTSS and learn to identify and assess nontechnical skills in the operating room.

Session I

Wednesday, 1:15-3:10 pm

Nontechnical Skills for Surgeons

Douglas S. Smink, MD, MPH, FACS, *Boston, MA*

Maintaining Situation Awareness and Vigilance
Steven Yule, PhD, *Boston, MA*

Small Group (Situation Awareness)

Effective Decision Making in Critical Situations
Douglas S. Smink, MD, MPH, FACS, *Boston, MA*

Small Group (Decision Making)

Mohsen Shabahang, MD, PhD, FACS, *Danville, PA*

Session II

Wednesday, 3:20-5:30 pm

The Technical Aspects of Effective Teamwork
Steven Yule, PhD, *Boston, MA*

Small Group (Teamwork)
Alexandra Briggs, MD, *Lebanon, NH*

Being a Leader
Douglas S. Smink, MD, MPH, FACS, *Boston, MA*

Small Group (Leadership)
John H. Armstrong, MD, FACS, *Ocala, FL*

Bringing It All Together
Steven Yule, *Boston, MA*

Wrap-Up
Douglas S. Smink, MD, MPH, FACS, *Boston, MA*

*Sponsored by the Committee on Non-Technical Skills
for Surgeons*

Surgical Skills Courses (SC)

SC01 | Advanced Skills Training for Rural Surgeons: Laparoscopic Common Bile Duct Exploration and Image-Guided Interventions of the Chest and Abdomen

TRACK(S): RUS

8 credits, Verification Level III

Saturday, October 26; 8:00 am-5:30 pm

LOCATION: Lecture: MW 2001; Lab: MW 2009-2011

CHAIR: Susan E. Long, MD, FACS, *Buckhannon, WV*

CO-CHAIR: Adam Deutchman, MD, FACS, *Salmon, ID*

This course covers diverse technical skills that are applicable in various practice environments. Laparoscopic common bile duct exploration will be discussed and demonstrated in detail with hands-on opportunities for practice. In addition, image-guided interventional techniques for the chest and abdomen—with a focus on image-guided targeting of structures and bimanual manipulation of transducer and needle techniques—will be presented as a vehicle for image-guided biopsy and drain placement. The course will begin with didactic lectures to address key concepts for each module, followed by hands-on, mentored practice of surgical skills.

Welcome, Introductions, and Course Overview

Susan E. Long, MD, FACS, *Buckhannon, WV*

Adam Deutchman, MD, FACS, *Salmon, ID*

Laparoscopic Common Bile Duct Exploration

Ezra N. Teitelbaum, MD, *Chicago, IL*

Drainage of Intra-Abdominal Abscess/Placement of Pigtail Catheter

Cynthia L. Talley, MD, FACS, *Charleston, SC*

Percutaneous Cholecystectomy

Stefan Scholz, MD, FACS, FAAP, *Pittsburgh, PA*

Image-Guided Paracentesis/Thoracentesis

Stefan Scholz, MD, FACS, FAAP, *Pittsburgh, PA*

Question-and-Answer Session

Break

Move to Lab Room

Orientation to the Lab

Hands-On Skills Lab Session 1

Lunch

Hands-On Skills Lab Session 2

HANDS-ON SKILLS STATION INSTRUCTORS:

LAPAROSCOPIC COMMON BILE DUCT EXPLORATION

Matthew B. Bloom, MD, FACS, *Los Angeles, CA*

Eric S. Hungness, MD, FACS, *Chicago, IL*

Dennis Y. Kim, MD, FACS, *Torrance, CA*

Alexander P. Nagle, MD, FACS, *Chicago, IL*

Michael J. Pucci, MD, FACS, *Philadelphia, PA*

Byron F. Santos, MD, *Lebanon, NH*

Ezra N. Teitelbaum, MD, *Chicago, IL*

Khashayar Vaziri, MD, FACS, *Washington, DC*

HANDS-ON SKILLS STATION INSTRUCTORS:

IMAGE-GUIDED INTERVENTIONS OF THE CHEST AND ABDOMEN

Samir K. Gadepalli, MD, MBA, FACS, *Ann Arbor, MI*

Marcus D. Jarboe, MD, FACS, *Ann Arbor, MI*

Matthew B. Rossi, MD, FACS, *Hopedale, IL*

Stefan Scholz, MD, FACS, FAAP, *Pittsburgh, PA*

Cynthia L. Talley, MD, FACS, *Charleston, SC*

Sponsored by the Advisory Council for Rural Surgery

SC02 | Advanced Robotic Surgery for Complex Abdominal Cancers*

TRACK(S): GEN

SC02A: Lecture Only

3.5 credits, Verification Level II

Saturday, October 26; 8:00-11:45 am

LOCATION: MW 2000

SC02B: Lecture and Lab

University of California San Francisco –

Anatomy Learning Center (ALC)

7.5 credits, Verification Level III

Saturday, October 26; 8:00 am-5:30 pm

LOCATION: Lecture: UCSF-ALC; Lab: ALC

*Bus transportation will be provided to the Anatomy Learning Center (ALC) at the University of California San Francisco.

CHAIR: Yanghee Woo, MD, FACS, *Duarte, CA*

CO-CHAIR: Laleh G. Melstrom, MD, FACS, *Duarte, CA*

This Surgical Skills Course is designed for the surgeon who has mastered the basics in robotic surgery. The didactic session will provide technical “how-to” presentations on gastrectomy, pancreatectomy, hepatectomy, colectomy, and multiorgan intra-abdominal resections. The presentations will also address indications, patient selection, instrument use, high-level insights into techniques, and how to manage difficult intraoperative scenarios.

The hands-on skills cadaver lab will guide the participants through the procedural steps for robotic organ resection including gastrectomy, pancreatectomy, hepatectomy, colectomy, and multiorgan intra-abdominal resections and the faculty will provide “pearls and pitfalls” of these techniques.

Session A: Lectures

Welcome and Course Overview

Yanghee Woo, MD, FACS, *Duarte, CA*

Preoperative Decision Making and Intraoperative Planning

Yanghee Woo, MD, FACS, *Duarte, CA*

Robotic Distal Pancreatectomy

Laleh G. Melstrom, MD, FACS, *Duarte, CA*

Robotic Liver Resection

Gi Hong Choi, MD, *Seoul, Republic of Korea*

Robotic Low Anterior Resection with Total Mesorectal Excision

Kurt A. Melstrom, MD, FACS, *La Verne, CA*

Panel Discussion

Break

Advice from an Expert with 18 Years of Robotic Surgery
Experience: Pearl and Pitfalls

Anusak Yiengpruksawan, MD, FACS, *Saddle River, NJ*

Robotic Gastrectomy and D2 Lymphadenectomy

Yanghee Woo, MD, FACS, *Duarte, CA*

Robotic Multivisceral Resections of Abdominal Tumors

Byrne Lee, MD, FACS, *Duarte, CA*

Panel Discussion

Session B: Hands-On Skills Workshop (Includes Session A)

Saturday, 11:45 am-5:30 pm

Board bus to off-site lab

Lunch

Lab Overview and Discussion

Prepare for Lab

Hands-On Skills Lab Session, 1:25 pm

HANDS-ON SKILLS STATION INSTRUCTORS:

Gi Hong Choi, MD, *Seoul, Republic of Korea*

Byrne Lee, MD, FACS, *Duarte, CA*

Kurt A. Melstrom, MD, FACS, *La Verne, CA*

Anusak Yiengpruksawan, MD, FACS, *Saddle River, NJ*

*Sponsored by the Committee on Surgical Skills Training for
Practicing Surgeons*

SC03 | Advanced Surgical Skills for Exposure in Trauma (ASSET™)*

TRACK(S): TRA, VAS

7 credits, Verification Level III

Saturday, October 26; 8:30 am-4:45 pm

LOCATION: STF

*Bus transportation will be provided to the Surgical Training
Facility (STF) at the University of California San Francisco.

CHAIR: Eric J. Kuncir, MD, FACS, *Huntington Beach, CA*

CO-CHAIR: Timothy D. Browder, MD, MACM, FACS,
Stanford, CA

The Advanced Surgical Skills for Exposure in Trauma (ASSET™) course is a cadaver-based course using a body region approach to teaching essential surgical skills that may not be practiced frequently but are required in emergency surgery. The course will cover five key anatomic areas: neck, chest, abdomen and pelvis, and upper and lower extremities. Participants will review a case-based scenario in each of the five areas prior to starting the hands-on skills portion of the course.

Welcome and Course Overview

Eric J. Kuncir, MD, FACS, *Huntington Beach, CA*

Hands-On Skills Lab Sessions

Session 1: Upper Extremity

Case 1: Axillary Vessels

Case 2: Brachial Vessels

Case 3: Radial, Ulnar Vessels

Session 2: Lower Extremity

Case 4: Femoral Vessels

Case 5: Popliteal/Fasciotomies

Break

Session 3: Neck

Case 6: Subclavian-Supraclavicular

Case 7: Carotid, Internal Jugular, Trachea, Esophagus

Lunch

Session 4: Chest

Case 8: Median Sternotomy

Case 9: Left Thoracotomy

Case 10: Clamshell, Tractotomy, Pulm Hilum

Case 11: Proximal Subclavian

Break

Session 5: Abdomen

Case 12: Pelvic Packing

Case 13: Retroperitoneal Approach to Iliacs

Cases 14, 15, 16: Vascular Exposures in Abdomen

Case 17: Liver and Retrohepatic Inferior Vena Cava

Concluding Remarks

Eric J. Kuncir, MD, FACS, *Huntington Beach, CA*

HANDS-ON SKILLS STATION INSTRUCTORS:

Boris Borazjani, MD, MPH, FACS, *Los Angeles, CA*

Daniel J. Grabo, Jr., MD, FACS, *Morgantown, WV*

Joseph D. Forrester, MD, *Redwood City, CA*

Lisa M. Knowlton, MD, MPH, FRCSC, *Stanford, CA*

Joseph D. Love, DO, FACS, *Houston, TX*

Jeffrey T. Nahmias, MD, MHPE, FACS, *Orange, CA*

Aussama Nassar, MBChB, FACS, *Redwood City, CA*

*Sponsored by the Committee on Trauma and the Advisory
Council for Vascular Surgery*

SC04 | Surgical Endoscopy: Essential Skills in Foregut Surgery

TRACK(S): GEN, CTS

SC04A: Lecture Only

4 credits, Verification Level II

Sunday, October 27; 8:00 am-12:15 pm

LOCATION: MW 2001

SC04B: Lecture and Lab

8 credits, Verification Level III

Sunday, October 27; 8:00 am-5:30 pm

LOCATION: MW 2014-2018

CHAIR: Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*

CO-CHAIR: Sara A. Hennessy, MD, FACS, *Dallas, TX*

Therapeutic endoscopy continues to change gastrointestinal surgery. Endoscopic therapy for gastroesophageal reflux disease (GERD), Barrett's esophagus, achalasia, anastomotic leaks, obesity, and intestinal fistulas are all now commonplace. This course will show participants how to use flexible endoscopy to improve the care of their patients. The goal is to continue surgical education into less invasive options to improve patient care and outcomes.

The hands-on skills lab will introduce participants to techniques and technologies to augment their surgical endoscopy practice including dilation, clip placement, mucosal ablation, stent placement, endolumenal therapies for GERD, endoscopic suturing, endoscopic mucosal resection, and peroral endoscopic myotomy. (Basic flexible endoscopy will not be taught during the lab session.)

Session A: Lectures

Welcome and Introduction

Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*

Surgeon-Performed Upper Endoscopy:

Why, How, and When?

Jeffrey M. Marks, MD, FACS, *Cleveland, OH*

Upper Endoscopy and Basic Procedural Interventions

Jose M. Martinez, MD, FACS, *Miami, FL*

Fundamental Use of Surgical Energy during

Upper Endoscopy Therapies

Sara A. Hennessy, MD, FACS, *Dallas, TX*

Endoscopic Management of Foreign Bodies

Salvatore Docimo, DO, FACS, *Stony Brook, NY*

Endoscopic Therapies for GERD and Barrett's

Amber Shada, MD, FACS, *Madison, WI*

Break

Dilation and Adjunct Therapy for Strictures

Eleanor C. Fung, MD, *Buffalo, NY*

Endoscopic Enteral Access

Heidi J. Miller, MD, MPH, FACS, *Albuquerque, NM*

Gastrointestinal Tract Defect Closure

Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*

Gastrointestinal Tract Defect Management

Ryan M. Juza, MD, *Cleveland, OH*

Endoscopy in the Bariatric Patient

Leena Khaitan, MD, FACS, *Cleveland, OH*

Session B: Hands-On Skills Workshop (Includes Session A)

Sunday, 12:15-5:30 pm

Lunch (ticket required)

Case Presentations

Sara A Hennessy, MD, FACS, *Dallas, TX*

Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*

Hands-On Skills Lab Session, 1:00 pm

Intro to the Lab, Station Assignments, and Distribution of Skills Report Cards

Sara A. Hennessy, MD, FACS, *Dallas, TX*

Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*

HANDS-ON SKILLS STATION INSTRUCTORS:

Diya I. Alaedeen, MD, FACS, *Cleveland, OH*

Robert J. Bowles, MD, FACS, *Miami, FL*

Salvatore Docimo, DO, FACS, *Stony Brook, NY*

Christy M. Dunst, MD, FACS, *Portland, OR*

Eleanor C. Fung, MD, *Buffalo, NY*

Ryan M. Juza, MD, *Cleveland, OH*

Leena Khaitan, MD, FACS, *Cleveland, OH*

Jeffrey M. Marks, MD, FACS, *Cleveland, OH*

Jose M. Martinez, MD, FACS, *Miami, FL*

Heidi J. Miller, MD, MPH, FACS, *Albuquerque, NM*

Jeffrey L. Ponsky, MD, MBA, FACS, *Cleveland, OH*

Charles Y. Ro, MD, FACS, *Joplin, MO*

Amber Shada, MD, FACS, *Madison, WI*

Ezra N. Teitelbaum, MD, *Chicago, IL*

Thadeus L. Trus, MD, *Lebanon, NH*

Sponsored by the Advisory Council for General Surgery and the Committee on Surgical Skills Training for Practicing Surgeons

SC05 | Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME)*

TRACK(S): CRS, GEN, ONC

SC05A: Lecture Only

4 credits, Verification Level II

Sunday, October 27; 8:00 am-12:30 pm

LOCATION: MW 2000

SC05B: Lecture and Lab

8 credits, Verification Level III

Sunday, October 27; 8:00 am-5:30 pm

LOCATION: University of California San Francisco – Surgical Training Facility (STF)

*Bus transportation will be provided to the Surgical Training Facility at the University California San Francisco.

CHAIR: Steven D. Wexner, MD, PhD(Hon), FACS, FRCS,

FRCSed, FRCSI(Hon), FRCSGlasg(Hon), *Weston, FL*

CO-CHAIR: Patricia Sylla, MD, FACS, *New York, NY*

Transanal total mesorectal excision (taTME) has emerged as a promising novel minimally invasive alternative in the surgical treatment of rectal cancer. While multiple studies have reported the safety and feasibility of taTME with exceedingly low conversion rates, expertise and training critically factor into the ability to perform taTME safely and optimize outcomes.

During the didactic session participants will learn about taTME outcomes from large studies and international registries, current controversies, and recent trends in transanal endoscopic proctectomy. Videos will present step-by-step instructions for the taTME technique and include comprehensive review of the relevant pelvic and perineal anatomy, pitfalls during dissection, and the best strategies for anastomotic reconstruction.

The hands-on skills lab session is intended to train higher volume rectal cancer surgeons with expertise in minimally invasive TME and with experience in transanal endoscopic surgery. Participants will be partnered and will perform a proctored taTME with laparoscopic assistance in a cadaver, and will be provided with feedback on completeness of the mesorectal specimen.

This surgical skills course will ensure an outstanding personalized educational experience with in-depth mentoring by world-renowned taTME experts. The course concludes with a specimen quality audit by an acclaimed colorectal surgery pathologist.

Session A: Lectures

Welcome and Introduction

Steven D. Wexner, MD, PhD(Hon), FACS, FRCS, FRCSEd, FRCSI(Hon), FRCSGlasg(Hon), *Weston, FL*

Patricia Sylla, MD, FACS, *New York, NY*

Lecture Series: taTME: Current Status and Results

A Decade in Evolution: taTME 10 Years Later

Patricia Sylla, MD, FACS, *New York, NY*

Global Uptake and Audit of taTME

Marta Penna, MBBS, BSc, MRCS, *Oxford, UK*

taTME vs. Laparoscopic TME vs. Robotic TME: Best Evidence to Date and Trial Update

Ahmed S. Chadi, MD, FACS, *Toronto, ON*

Panel Discussion

Question-and-Answer Session

Steven D. Wexner, MD, PhD(Hon), FACS, FRCS, FRCSEd, FRCSI(Hon), FRCSGlasg(Hon), *Weston, FL*

Lecture Series: taTME Techniques and Pearls from Experts

Essentials of taTME Anatomy

Sam Atallah, MD, FACS, *Orlando, FL*

taTME: Standardized Steps for Mid- and Lower Rectal Tumors

Mark H. Whiteford, MD, FACS, *Portland, OR*

Errors and Pitfalls during taTME Dissection

Matthew R. Albert, MD, FACS, *Orlando, FL*

Optimizing Anastomotic Techniques in taTME

Antonio J. Caycedo, MD, FACS, *Sudbury, ON*

taTME: Quality Benchmarks

Mariana Berho, MD, *Westin, FL*

Panel Discussion; Question-and-Answer Session

Patricia Sylla, MD, FACS, *New York, NY*

Break

Lecture Series: taTME Training and Implementation

taTME for Cancer: Patient Selection and Preoperative Preparation

Karen Zaghiyan, MD, FACS, *West Hollywood, CA*

Where Does taTME Fit into My Practice? Current and Evolving Applications of taTME

Sherief Shawki, MD, *Shaker Heights, OH*

taTME Training, Implementation, and Learning Curve

Justin A. Maykel, MD, FACS, *Worcester, MA*

Panel Discussion; Question-and-Answer Session

Steven D. Wexner, MD, PhD(Hon), FACS, FRCS, FRCSEd, FRCSI(Hon), FRCSGlasg(Hon), *Weston, FL*

Session B: Hands-On Skills Workshop (Includes Session A)

Sunday, 12:15-5:30 pm

Lunch (ticket required): 12:30-1:00 pm

Board bus to off-site lab, 1:00 pm

Discuss Lab, Station Assignments, and Skills Report Cards

Hands-On Skills Lab, 1:40 pm

TME Specimen Debrief

Mariana Berho, MD, *Westin, FL*

HANDS-ON SKILLS STATION INSTRUCTORS:

Matthew R. Albert, MD, FACS, *Orlando, FL*

Sam Atallah, MD, FACS, *Orlando, FL*

Mariana Berho, MD, *Westin, FL*

Antonio J. Caycedo, MD, FACS, *Sudbury, ON*

Ahmed S. Chadi, MD, FACS, *Toronto, ON*

Justin A. Maykel, MD, FACS, *Worcester, MA*

Marta Penna, MBBS, BSc, MRCS, *Oxford, UK*

Sherief Shawki, MD, *Shaker Heights, OH*

Mark H. Whiteford, MD, FACS, *Portland, OR*

Karen Zaghiyan, MD, FACS, *West Hollywood, CA*

Sponsored by the Committee on Surgical Skills Training for Practicing Surgeons and the Advisory Council for Colon and Rectal Surgery

SC06 | Thyroid, Parathyroid, and Neck Ultrasound

TRACK(S): GEN, OTO, ONC

7.75 credits, Verification Level III

Sunday, October 27; 8:15 am-5:30 pm

LOCATION: MW 2020-2022

CHAIR: Lisa A. Orloff, MD, FACS, *Stanford, CA*

CO-CHAIR: Lawrence T. Kim, MD, FACS, FACE, *Chapel Hill, NC*

This course will introduce the practicing surgeon to office-based ultrasound examination of the thyroid, parathyroid, and neck for commonly encountered diseases. The distinction of normal from malignant lymphadenopathy is emphasized with a demonstration of the comprehensive examination of lymph node basins in cervical levels I-VI. The technique of ultrasound-guided fine-needle aspiration biopsy (FNAB) of thyroid nodules and lymph nodes are addressed in didactic lecture format. The practical detail and considerations in developing office-based ultrasound will be presented. In addition, hands-on skill sessions allow the surgeon to develop techniques to perform diagnostic neck ultrasound and ultrasound-guided FNAB. The use of standardized patients allows supervised hands-on experience with transverse and longitudinal scanning methods. The techniques of FNAB of lesions will be performed using phantom models.

Overview and Discussion of Course Topics

Lisa A. Orloff, MD, FACS, *Stanford, CA*

Physics and Principles of Ultrasonography

Lawrence T. Kim, MD, FACS, FACE, *Chapel Hill, NC*

Scanning Techniques for Head and Neck Ultrasonography

Barbra S. Miller, MD, FACS, *Ann Arbor, MI*

Ultrasonography of Normal Neck Anatomy
Marika Russell, MD, FACS, *San Francisco, CA*

Break

Instructor Demonstration

Lawrence T. Kim, MD, FACS, FACE, *Chapel Hill, NC*

Lisa A. Orloff, MD, FACS, *Stanford, CA*

Thyroid Ultrasonography

Lisa A. Orloff, MD, FACS, *Stanford, CA*

Parathyroid Ultrasonography

Cord Sturgeon, MD, MS, FACS, *Chicago, IL*

Break

Neck Ultrasonography

Kevin T. Brumund, MD, FACS, *La Jolla, CA*

Interventional Ultrasonography

Joyce J. M. Shin, MD, FACS, *Cleveland, OH*

Lunch

Integrating Office-Based Ultrasonography into Practice

Merry E. Sebelik, MD, FACS, *Atlanta, GA*

Introduction to the Lab

Lisa A. Orloff, MD, FACS, *Stanford, CA*

Hands-On Skills Lab Session: Scanning Techniques for Head and Neck Ultrasonography

Module 1: Basic Technical Issues

Module 2: Central Neck Anatomy

Module 3: Lateral Neck Anatomy

Break

Module 4: Lymph Node Evaluation

Module 5: Performance Exam

Module 6: Ultrasound-Guided FNA

Concluding Remarks

Lawrence T. Kim, MD, FACS, FACE, *Chapel Hill, NC*

HANDS-ON SKILLS STATION INSTRUCTORS:

Kevin T. Brumund, MD, FACS, *La Jolla, CA*

Travis M. Cotton, MD, *Providence, RI*

David Hughes, MD, FACS, *Ann Arbor, MI*

John S. Kennedy, MD, FACS, *Decatur, GA*

Marika Russell, MD, FACS, *San Francisco, CA*

Merry E. Sebelik, MD, FACS, *Atlanta, GA*

Joyce J. M. Shin, MD, FACS, *Cleveland, OH*

Cord Sturgeon, MD, MS, FACS, *Chicago, IL*

Sponsored by the National Ultrasound Faculty

SC07 | Transoral Thyroidectomy*

TRACK(S): GEN, ONC, OTO

SC07A: Lecture Only

2.5 credits, Verification Level II

Monday, October 28; 9:45 am-12:15 pm

LOCATION: MW 2000

SC07B: Lecture and Lab

6 credits, Verification Level III

Monday, October 28; 9:45 am-5:30 pm

LOCATION: University of California San Francisco – Surgical Training Facility (STF)

*Bus transportation will be provided to the Surgical Training Facility at the University of California San Francisco.

CHAIR: William B. Inabnet III, MD, FACS, *New York, NY*

CO-CHAIR: Ralph P. Tufano, MD, FACS, *Baltimore, MD*

Transoral thyroidectomy has been developed as a new method for surgical removal of the thyroid in carefully selected patients. The advantages of the procedure are prevention of a cervical scar while avoiding the challenges of previous remote access approaches. This Postgraduate Course will provide the surgeon with advanced education and training in the Transoral Endoscopic Thyroidectomy Vestibular Approach (TOETVA) technique. The didactic session will include topics on the principles of patient selection, procedural steps, and equipment selection.

The hands-on skills lab session will allow participants to practice and enhance techniques including: port insertions, working space creation, superior thyroid pole dissection, recurrent laryngeal nerve (RLN) identification from the top-down approach, and parathyroid gland preservation.

Session A: Lectures

Welcome and Course Overview

William B. Inabnet III, MD, FACS, *Louisville, KY*

Framework for Starting a Transoral Endoscopic Thyroidectomy Program

Victoria B. Crespo, MD, MPH, FACS, *New York, NY*

Patient Selection and Indications

Insoo Suh, MD, FACS, *San Francisco, CA*

Set-up and Equipment

Raymon H. Grogan, MD, FACS, *Houston, TX*

Transoral Endoscopic Thyroidectomy Vestibular Approach (TOETVA) Technique

Jonathon O. Russell, MD, *Baltimore, MD*

Complications and Troubleshooting

Gustavo G. Fernandez-Ranvier, MD, PhD, FACS, *Long Island City, NY*

Robotic TOETVA

Hoon Yub Kim, MD, PhD, FACS, *Seoul, Republic of Korea*

Future Considerations

Hyunsuk Suh, MD, FACS, *New York, NY*

Panel Discussion

Questions-and Answer-Session

Quan-Yang Duh, MD, FACS, *San Francisco, CA*

William B. Inabnet III, MD, FACS, *New York, NY*

Ralph P. Tufano, MD, FACS, *Baltimore, MD*

Session B: Hands-On Skills Workshop (Includes Session A)

Saturday, 12:15-5:30 pm

Board bus to off-site lab

Lunch

Lab Overview and Discussion

Prepare for Lab

Hands-On Skills Lab Session, 1:45 pm

HANDS-ON SKILLS STATION INSTRUCTORS:

Victoria B. Crespo, MD, MPH, FACS, *New York, NY*
 Quan-Yang Duh, MD, FACS, *San Francisco, CA*
 Raymon H. Grogan, MD, FACS, *Houston, TX*
 Gustavo G. Fernandez-Ranvier, MD, PhD, FACS,
Long Island City, NY
 Hoon Yub Kim, MD, PhD, FACS, *Seoul, Republic of Korea*
 Jonathon O. Russell, MD, *Baltimore, MD*
 Hyunsuk Suh, MD, FACS, *New York, NY*
 Insoo Suh, MD, FACS, *San Francisco, CA*

*Sponsored by the Committee on Surgical Skills Training
 for Practicing Surgeons*

SC08 | Ultrasound-Guided Resuscitation for Trauma and Critically Ill Patients

TRACK(S): TRA, GEN

4 credits, Verification Level III
 Monday, October 28; 1:00-5:15 pm

LOCATION: MW 2020-2022

CHAIR: Paula Ferrada, MD, FACS, *Richmond, VA*
 CO-CHAIR: Jacob J. Glaser, MD, FACS, *San Antonio, TX*

The modality of ultrasound has been used effectively for early diagnosis of causes of hypotension and to guide therapy. This hands-on skills course features experts from different surgical backgrounds, and will focus on issues such as:

- Early diagnosis and recognition of hypovolemia
- Role of surgical intensive care unit ultrasound during resuscitation
- New roles for ultrasound in trauma resuscitation

The didactic component is composed of case-based scenarios with videos showing pathology. The hands-on skills component will be dedicated to teaching the basics of obtaining cardiac and thoracic windows.

Welcome and Course Overview

Paula Ferrada, MD, FACS, *Richmond, VA*

Physics, Hypovolemia, Right Ventricular Failure,
 Left Ventricular Dysfunction, and Obstructive Shock
 Paula Ferrada, MD, FACS, *Richmond, VA*

Cardiac Ultrasound Windows

Parasternal Long Axis (PSL)
 Molly Flannagan, MD, FACS, *Gates Mills, OH*

Hands-On Skills Lab

Parasternal Short Axis (PSS)
 Aditi Kapil, MD, *Northampton, MA*

Hands-On Skills Lab

Apical

Andrea Long, MD, FACS, *Fresno, CA*

Hands-On Skills Lab

Break

Subxyphoid

Jacob J. Glaser, MD, FACS, *San Antonio, TX*

Hands-On Skills Lab

Lung and Pleura

Roberto C. Castillo, DO, MPH, *Bethlehem, PA*

Hands-On Skills Lab

Ultrasound in Austere Environments

Thomas W. Carver, MD, FACS, *Milwaukee, WI*

Questions and Answers

HANDS-ON SKILLS STATION INSTRUCTORS:

Rachael A. Callcut, MD, FACS, *Sacramento, CA*
 Thomas W. Carver, MD, FACS, *Milwaukee, WI*
 Roberto C. Castillo, DO, MPH, *Bethlehem, PA*
 Molly Flannagan, MD, FACS, *Gates Mills, OH*
 Aditi Kapil, MD, *Northampton, MA*
 Andrea Long, MD, FACS, *Fresno, CA*

*Sponsored by the National Ultrasound Faculty and the
 Committee on Trauma*

SC09 | Advanced Therapeutic Colonoscopy and Endoluminal Surgery

TRACK(S): CRS, GEN, RUS

4 credits, Verification Level III
 Monday, October 28; 1:00-5:30 pm

LOCATION: Lecture: MW 2000; Lab: MW 2014-2018

CHAIR: Richard L. Whelan, MD, FACS, FASCRS, *New York, NY*
 CO-CHAIR: Emre Gorgun, MD, FASCRS, FACS, *Cleveland, OH*

Flexible endoscopy is increasingly used in diagnostic and therapeutic settings by general and colorectal surgeons, especially in relation to colorectal disease. The advanced techniques of endoscopic mucosal resection (EMR) and endoscopic submucosal dissection (ESD) are now the preferred means of removing large sessile polyps that, up until recently, were almost always removed via colectomy. Simultaneous laparoscopy during colonoscopic EMR can facilitate polyp resection and permit suture reinforcement of the bowel wall, if injured; again colectomy is avoided. With experience using narrow band imaging and chromoendoscopy, it is possible to distinguish between adenomas, dysplastic lesions, and invasive cancers. Endoscopic stenting techniques have become the preferred first treatment in large bowel obstruction, where feasible. New endoscopic treatment approaches for anastomotic leaks and enterocutaneous fistulas are being developed to facilitate treatment. The course will use didactic lectures and hands-on surgical skills training to teach the procedures and introduce novel devices.

Welcome and Introduction

Richard L. Whelan, MD, FACS, FASCRS, *New York, NY*

Endoscopic Diagnosis and Classification of Premalignant and Malignant Polyps and Role of EMR

Amit Bhatt, MD, *Cleveland, OH*

Laparoscopic-Facilitated Colonoscopic Resection of Large Polyps

Sang W. Lee, MD, FACS, *Los Angeles, CA*

Endoscopic Submucosal Dissection (ESD)

Peter W. Marcello, MD, FACS, *Burlington, MA*

The Submucosal Lift and Educational Strategies for ESD in America
 Richard L. Whelan, MD, FACS, FASCRS, *New York, NY*
 Endoscopic Suturing (Full Thickness) and New Endolumenal Platforms
 Emre Gorgun, MD, FASCRS, FACS, *Cleveland, OH*
 Stenting of Colorectal Strictures
 Maher A. Abbas, MD, FACS, FASCRS, *Dubai, UAE*
 Break

Introduction to Lab
 Richard L. Whelan, MD, FACS, FASCRS, *New York, NY*
 Hands-On Skills Lab Session

HANDS-ON SKILLS STATION INSTRUCTORS:

Maher A. Abbas, MD, FACS, FASCRS, *Dubai, UAE*
 Amit Bhatt, MD, *Cleveland, OH*
 Beatrice Dionigi, MD, *Boston, MA*
 Todd D. Francone, MD, MPH, FACS, FASCRS, *Newton, MA*
 Jennifer E. Hrabie, MD, *Iowa City, IA*
 Sang W. Lee, MD, FACS, *Los Angeles, CA*
 David Liska, MD, FACS, FASCRS, *Cleveland, OH*
 Peter W. Marcello, MD, FACS, *Burlington, MA*
 Marc A. Singer, MD, FACS, *Maywood, IL*
 Toyooki Sonoda, MD, FACS, FASCRS, *Mineola, NY*
 D. Mark Zebley, MD, FACS, FASCRS, *Abington, PA*

Sponsored by the Advisory Council for Colon and Rectal Surgery and the Committee on Surgical Skills Training for Practicing Surgeons

SC10 | Contemporary Strategies for Minimally Invasive Hernia Repair

TRACK(S): GEN, EDU, RUS

SC10A: Lecture Only

4 credits, Verification Level II
 Tuesday, October 29; 8:00 am-12:30 pm
 LOCATION: MW 2001

SC10B: Lecture and Lab

8 credits, Verification Level III
 Tuesday, October 29; 8:00 am-5:30 pm
 LOCATION: Lecture: MW 2001; Lab: MW 2014-2018

CHAIR: Carla Marie Pugh, MD, PhD, FACS, *Stanford, CA*
 CO-CHAIR: Gina L. Adrales, MD, MPH, FACS, *Baltimore, MD*
 CO-CHAIR: John S. Roth, MD, FACS, *Lexington, KY*

Inguinal and ventral hernia repair are among the most commonly performed general surgical procedures. However, the penetrance of minimally invasive hernia repair remains low despite its advantages in many patients, namely a lower risk of surgical site infection. The learning curve for laparoscopic or robotic hernia repair may be lengthy despite participation in formal didactic training and is a major, limiting factor in widespread adoption. The advent of robotic surgery provides an additional platform for surgeons to address complex hernia patients so that surgeons can offer a wide array of options to their patients. This course provides formal didactic training in patient selection, procedural anatomy, techniques, postoperative management, and treatment of common complications

encountered in laparoscopic and robotic inguinal and ventral hernia repair.

The laboratory experience provides an opportunity for learners to work in small groups with expert surgeons using simulated hernia models for laparoscopic repair. Learners are encouraged to challenge faculty with unique hernia questions and cases by bringing complex cases to discuss in a small-group setting. Surgeons with all levels of experience from novice to experienced are encouraged to attend.

Session A: Lectures

Course Introduction and Overview
 Carla M. Pugh, MD, PhD, FACS, *Stanford, CA*
 Gina L. Adrales, MD, MPH, FACS, *Baltimore, MD*
 John S. Roth, MD, FACS, *Lexington, KY*

Lecture Series: Inguinal Hernia Repair

Evidence-Based Approach to Inguinal Hernia Repair:
 Open, Laparoscopic, Robotic
 Konstantinos Spaniolas, MD, FACS, *Stony Brook, NY*
 Laparoscopic Transabdominal Preperitoneal (TAPP) Inguinal Repair: Tips and Tricks to Accelerate the Learning Curve
 Gina L. Adrales, MD, MPH, FACS, *Baltimore, MD*
 Laparoscopic Totally Extraperitoneal (TEP) Repair Simplified
 Brian P. Jacob, MD, FACS, *New York, NY*
 Robotic Inguinal Hernia Repair: How Do I Get Started?
 Alisa M. Coker, MD, *Baltimore, MD*
 Laparoscopic Repair of Recurrent Inguinal Hernias
 Vedra A. Augenstein, MD, FACS, *Charlotte, NC*
 Extended-View Extraperitoneal Hernia Repair: A Solution for Challenging Hernias
 Please see addendum and Clinical Congress App.
 Simplified Management of Groin Pain Following Inguinal Hernia Repair
 David M. Krpata, MD, *Brecksville, OH*
 Panel Discussion
 Break

Lecture Series: Ventral Hernia Repair

Laparoscopic Ventral Hernia (IPOM) with Defect Closure: Who, How, and What Are the Outcomes?
 Mike K. Liang, MD, FACS, *Houston, TX*
 Minimally Invasive Repair of Atypical Hernias
 Ajita S. Prabhu, MD, FACS, *Pepper Pike, OH*
 Intraoperative Complications of Laparoscopic Ventral Hernia: Getting Out of Trouble
 Archana Ramaswamy, MD, FACS, *Minneapolis, MN*
 Robotic Ventral/Incisional Hernia Repair
 Yuri W. Novitsky, MD, FACS, *New York, NY*
 Failed Laparoscopic Ventral Hernia Repair: What's Next?
 John S. Roth, MD, FACS, *Lexington, KY*
 Update on Biomaterials and Hernia Prevention
 John Patrick Fischer, MD, MPH, FACS, *Philadelphia, PA*
 Panel Discussion

Session B: Hands-On Skills Workshop (Includes Session A)

Saturday, 12:15-5:30 pm

Lunch (ticket required)

Introduction to Hands-On Skills Lab and
Station Assignments

Gina L. Adrales, MD, MPH, FACS, *Baltimore, MD*

Hands-On Skills Lab Session, 1:15 pm

HANDS-ON SKILLS STATION INSTRUCTORS:

Sharon L. Bachman, MD, FACS, *Falls Church, VA*

Mercdeh Baghai, MD, *Torrance, CA*

Alisa M. Coker, MD, *Baltimore, MD*

Robert J. Fitzgibbons, MD, FACS, *Omaha, NE*

William W. Hope, MD, FACS, *Wilmington, NC*

Dennis R. Klassen, MD, FACS, *Halifax, NS*

Yuri W. Novitsky, MD, FACS, *New York, NY*

Sean B. Orenstein, MD, FACS, *Portland, OR*

David W. Overby, MD, FACS, *Hillsborough, NC*

Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*

Bruce Ramshaw, MD, FACS, *Knoxville, TN*

Konstantinos Spaniolas, MD, FACS, *Stony Brook, NY*

Ashley H. Vernon, MD, FACS, *Boston, MA*

Jin S. Yoo, MD, FACS, *Durham, NC*

*Sponsored by the Committee on Surgical Skills Training
for Practicing Surgeons*

SC11 | Fundamentals of Oncoplastic Breast Surgery

TRACK(S): GEN, ONC

SC11A: Lecture Only

3 credits, Verification Level II

Tuesday, October 29; 8:30-11:45 am

LOCATION: MW 2000

SC11B: Lecture and Lab

6 credits, Verification Level III

Tuesday, October 29; 8:30 am-4:00 pm

LOCATION: Lecture: MW 2000; Lab: MW 2009-2011

CHAIR: Juliann M. Reiland, MD, FACS, *Sioux Falls, SD*

CO-CHAIR: Patricia L. Clark, MD, FACS, *Scottsdale, AZ*

This Postgraduate Course is designed for general and breast surgeons who have never performed oncoplastic surgery. A historical background and review of fundamental elements of oncoplastic breast surgery will be presented, including applied anatomy, imaging, patient assessment, and patient selection. The didactic session will cover basic and often-used oncoplastic techniques to improve the aesthetic outcome of partial mastectomies, including incision placement, parenchymal closure, intramammary flaps, deepithelialization, crescent mammoplasty, and donut mammoplasty. Office management pearls will include assembling and developing a multidisciplinary team and building functional referral networks.

During the hands-on skills lab session, participants will perform skin marking, glandular displacement techniques for intramammary flaps, aesthetic incision placement, and peri-areolar, crescent, and donut mammoplasty. The participants

will also learn simple techniques to improve lumpectomy results and management of excess skin, "dog ears," and tissue during simple mastectomy without reconstruction.

Session A: Lectures

Welcome and Introduction

Juliann M. Reiland, MD, FACS, *Sioux Falls, SD*

Patricia L. Clark, MD, FACS, *Scottsdale, AZ*

History and Fundamentals of Oncoplastic Surgery

Juliann M. Reiland, MD, FACS, *Sioux Falls, SD*

Patricia L. Clark, MD, FACS, *Scottsdale, AZ*

Applied Anatomy and Imaging

Dennis R. Holmes, MD, FACS, *Los Angeles, CA*

Patient Assessment and Selection

Anne G. Peled, MD, *San Francisco, CA*

The Flat Mastectomy

Ronda S. Henry-Tillman, MD, FACS, *Little Rock, AR*

Incision Placement and Parynchymal Closure, Intramammary Flaps

Katherine A. Kopkash, MD, FACS, *Evanston, IL*

Break

Crescent Mammoplasty and De-Epithelialization

Susan K. Boolbol, MD, FACS, *New York, NY*

Donut Mammoplasty

Jill R. Dietz, MD, FACS, *Beachwood, OH*

Level I Quadrant by Quadrant Approach to Cancer

Juliann M. Reiland, MD, FACS, *Sioux Falls, SD*

Developing the Oncoplastic Team

Patricia L. Clark, MD, FACS, *Scottsdale, AZ*

Group Discussion

Session B: Hands-On Skills Workshop (Includes Session A)

11:45 am-4:00 pm

Lunch (ticket required)

Details about Hands-On Lab

Hands-On Skills Lab Session, 12:45 pm

Juliann M. Reiland, MD, FACS, *Sioux Falls, SD*

Hands-On Skills: Live Model Marking Session

Hands-On Skills Lab with Breast Phantom Models

HANDS-ON SKILLS STATION INSTRUCTORS:

Karen S. Barbosa, DO, FACOS, *Anchorage, AK*

Hania B. Bednarski, DO, FACOS, *St. Louis, MO*

Susan K. Boolbol, MD, FACS, *New York, NY*

Jill R. Dietz, MD, FACS, *Beachwood, OH*

Jennifer S. Gass, MD, FACS, *Providence, RI*

Ronda S. Henry-Tillman, MD, FACS, *Little Rock, AR*

Dennis R. Holmes, MD, FACS, *Los Angeles, CA*

V. Suzanne Klimberg, MD, PhD, FACS, *Galveston, TX*

Katherine A. Kopkash, MD, FACS, *Evanston, IL*

Anne G. Peled, MD, *San Francisco, CA*

Paul T. R. Thiruchelvam, BSc, MD, PhD, FRCS, *London, UK*

Faaiza Vaince, MD, FACS, *Darien, IL*

*Sponsored by the Committee on Surgical Skills Training
for Practicing Surgeons*

SC12 | Basic Endovascular Skills for Trauma (BEST™) Workshop

TRACK(S): TRA, VAS

4 credits, Verification Level III

Tuesday, October 29; 1:00-5:15 pm

LOCATION: MW 2020-2022

CHAIR: Megan L. Brenner, MD, FACS, *Riverside, CA*

CO-CHAIR: Laura J. Moore, MD, FACS, *Houston, TX*

The use of endovascular techniques for vascular control in the bleeding, injured patient requires an understanding of indications and contraindications of the procedure as well as a hands-on experience using the required devices. Recent case reports have demonstrated safe and effective temporary control of hemorrhage using Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) in trauma patients with life-threatening hemorrhage below the diaphragm. The BEST™ Workshop uses simulation models and is intended to serve as an introduction to REBOA and lays the foundation for more in-depth training at the BEST™ Course.

Introduction and Welcome

Megan L. Brenner, MD, FACS, *Riverside, CA*

Clinical Use of REBOA for Trauma

REBOA: Steps, Techniques, Complications and Pitfalls

Expanded Indications for Use of REBOA

REBOA for Military and Austere Environments

Break

Introduction to Lab; Station Assignments

Megan L. Brenner, MD, FACS, *Riverside, CA*

Hands-On Skills Lab Session

HANDS-ON SKILLS STATION INSTRUCTORS:

Elizabeth R. Benjamin, MD, PhD, FACS, *Sherman Oaks, CA*

James Bogert, MD, FACS, *Phoenix, AZ*

Travis G. Deaton, MD, *San Diego, CA*

Paula Ferrada, MD, FACS, *Richmond, VA*

Gerald R. Fortuna, MD, FACS, *St. Louis, MO*

Jacob J. Glaser, MD, FACS, *San Antonio, TX*

Mohamad I. Haque, MD, *Tacoma, WA*

Fernando L. Joglar, MD, FACS, FSVS, RPVI, *San Juan, PR*

M. Austin Johnson, MD, PhD, *Salt Lake City, UT*

Matthew J. Martin, MD, FACS, FASMB, *San Diego, CA*

Edgardo S. Salcedo, MD, FACS, *Sacramento, CA*

Jennifer A. Smith, MD, FACS, *Torrance, CA*

Sponsored by the Committee on Trauma and the Advisory Council for Vascular Surgery

SC13 | State-of-the-Art Laparoscopic Colorectal Surgery*

TRACK(S): CRS, GEN, RUS, ONC

SC13A: Lecture Only

3.5 credits, Verification Level II

Wednesday, October 30; 8:00-11:45 am

LOCATION: MW 2001

SC13B: Lecture and Lab

7.5 credits, Verification Level III

Wednesday, October 30; 8:00 am-5:30 pm

LOCATION: University of California San Francisco – Surgical Training Facility (STF)

*Bus transportation will be provided to the Surgical Training Facility at the University of California San Francisco.

CHAIR: Howard M. Ross, MD, FACS, *Philadelphia, PA*

CO-CHAIR: David E. Rivadeneira, MD, MBA, FACS, FASCRS, *Woodbury, NY*

Laparoscopic approaches to colon and rectal disease remain critically important to surgeons as they are effective, easy to learn, and economical. The outcomes of laparoscopic colectomy are well established with regard to improved length of stay, cosmetic result, and postoperative pain. Despite the advent of robotics, laparoscopic approaches to colon and rectal disease remain relevant and important. The didactic session will provide insight into the thoughts and experience of the experts in laparoscopic colectomy.

The hands-on skills session will provide guided experience in all laparoscopic approaches to colon and rectal disease. Participants will perform procedures such as laparoscopic right colectomy, sigmoid colectomy, total abdominal colectomy and proctectomy, treatment of rectal prolapse, and total mesocolic excision. Participants will gain familiarity with laparoscopic parastomal hernia repair as well as knowledge of how to prevent their creation.

Session A: Lectures

Welcome and Introduction

Howard M. Ross, MD, FACS, *Philadelphia, PA*

Laparoscopic Right Hemicolectomy with Total Mesocolic Excision

Alessio Pigazzi, MD, FACS, *Long Beach, CA*

Laparoscopic Sigmoid Colectomy and Approaches to Inflammatory Disease

Amy L. Lightner, MD, *Rochester, MN*

Laparoscopic Low Anterior Resection and the Difficult Pelvis

Peter W. Marcello, MD, FACS, *Burlington, MA*

Laparoscopic Transverse Colectomy and Different Approaches to Flexures

David J. Maron, MD, MBA, FACS, FASCRS, *Weston, FL*

Laparoscopic Parastomal Hernia: How to Repair and How to Avoid Creating

David E. Rivadeneira, MD, MBA, FACS, FASCRS, *Woodbury, NY*

Break

The Use of Other Laparoscopic Assistance: From Combined Endoscopic and Laparoscopic Surgery (CELS) to Transanal Total Mesorectal Excision (taTME): "How to be a Good Partner"

Sang W. Lee, MD, FACS, *Los Angeles, CA*

On the Horizon: Cutting-Edge Technologies

Patricia Sylla, MD, FACS, *New York, NY*

Complications: What, When, and How to Avoid Them
Scott R. Steele, MD, FACS, *Shaker Heights, OH*

Panel Discussion

Session B: Hands-On Skills Workshop (Includes Session A)

Saturday, 11:45 am-5:30 pm

Board bus to off-site lab

Lunch

Introduction to Lab, Station Assignments, and
Skills Report Cards

Howard M. Ross, MD, FACS, *Philadelphia, PA*

Hands-On Skills Lab Session, 1:25 pm

HANDS-ON SKILLS STATION INSTRUCTORS:

Titilayo O. Adegboyega, MD, *Woodbury, NY*

Peter W. Marcello, MD, FACS, *Burlington, MA*

Matthew M. Philp, MD, FACS, FASCRS, *Philadelphia, PA*

Anna Serur, MD, FACS, FASCRS, *Englewood, NJ*

Joongho Shin, MD, FACS, *Los Angeles, CA*

Radhika R. Smith, MD, FACS, *Kirkwood, MO*

Michael A. Valente, DO, FACS, FASCRS, *Brecksville, OH*

*Sponsored by the Advisory Council for Colon and Rectal
Surgery and the Advisory Council for General Surgery*

SC14 | Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals

TRACK(S): GEN, ONC

SC14A: Lecture Only

3.5 credits, Verification Level II

Wednesday, October 30; 8:30 am-12:15 pm

LOCATION: MW 2000

SC14B: Lecture and Lab

7 credits, Verification Level III

Wednesday, October 30; 8:30 am-5:00 pm

LOCATION: Lecture: MW 2000; Lab: MW 2009-2011

CHAIR: V. Suzanne Klimberg, MD, PhD, FACS, *Galveston, TX*

CO-CHAIR: Jennifer S. Gass, MD, FACS, *Providence, RI*

This course is designed for general and breast surgeons with basic knowledge and experience in performing oncoplastic techniques. Participants attending this course should be comfortable with deepithelializations, tissue advancements, crescents, and donut mastopexy approaches. The didactic session will provide techniques and strategies for delivering the full spectrum of oncoplastic breast cancer care.

During the hands-on skills lab participants will learn and perform skin reduction techniques, including reduction mammoplasty techniques, total skin-sparing techniques, rotational flaps to fill central defects, and extreme oncoplastic techniques. Intermediate techniques taught will include: periareolar incision breast reduction method, nipple skin-sparing mastectomy, round block techniques, and V-resection to improve lumpectomy results.

Session A: Lectures

Welcome and Introduction

V. Suzanne Klimberg, MD, PhD, FACS, *Galveston, TX*

Getting Started and Establishing Your Team

Susan K. Boolbol, MD, FACS, *New York, NY*

Oncoplastic Techniques for the Upper Hemisphere
of the Breast

V. Suzanne Klimberg, MD, PhD, FACS, *Galveston, TX*

Oncoplastic Techniques for the Lower Hemisphere of the
Breast

Jennifer S. Gass, MD, FACS, *Providence, RI*

Grisotti Flap for Subareolar Lesions

Beth A. Lesnikoski, MD, FACS, *Jacksonville, FL*

Extreme Oncoplasty and Split Reduction Techniques

Dennis R. Holmes, MD, FACS, *Los Angeles, CA*

Break

Pedicle Rearrangement Based on Tumor

Quadrant Location

Paul T. R. Thiruchelvam, BSc, MD, PhD, FRCS, *London, UK*

Nipple-Sparing Mastectomy

Jill R. Dietz, MD, FACS, *Beachwood, OH*

Reduction Mammoplasty: Principles and Mark-Up

Paul T. R. Thiruchelvam, BSc, MD, PhD, FRCS, *London, UK*

Getting Paid for What You Do

Ronda S. Henry-Tillman, MD, FACS, *Little Rock, AR*

Question-and-Answer Session

Session B: Hands-On Skills Workshop (Includes Session A)

12:15-5:00 pm

Lunch (ticket required)

Hands-On Skills Lab Session, 1:00 pm

Details about Hands-On Labs; Question-and-Answer

Session, Assign Groups, and Distribute Skills Report Cards

Jennifer S. Gass, MD, FACS, *Providence, RI*

Hands-On Skills: Live Model Marking Session

Hands-On Skills Lab with Breast Phantom Models

HANDS-ON SKILLS STATION INSTRUCTORS:

Susan K. Boolbol, MD, FACS, *New York, NY*

Patricia L. Clark, MD, FACS, *Scottsdale, AZ*

Jill R. Dietz, MD, FACS, *Beachwood, OH*

Kristalyn K. Gallagher, DO, FACS, *Chapel Hill, NC*

Ronda S. Henry-Tillman, MD, FACS, *Little Rock, AR*

Dennis R. Holmes, MD, FACS, *Los Angeles, CA*

Cary S. Kaufman, MD, FACS, *Bellingham, WA*

Julianne M. Reiland, MD, FACS, *Sioux Falls, SD*

Amy E. Rivere, MD, *New Orleans, LA*

Paul T. R. Thiruchelvam, BSc, MD, PhD, FRCS, *London, UK*

*Sponsored by the Committee on Surgical Skills Training
for Practicing Surgeons*

MEET-THE-EXPERT SESSIONS

Fee: \$15

These sessions provide an informal venue for surgical experts to converse with Clinical Congress attendees. Case-based discussions are encouraged. No audio/visual components or aids will be used during these sessions. Seating capacity is limited.

Each session offers 1 Continuing Medical Education credit.

Monday, October 28

1:15-2:15 pm

ME101 | Anorectal Diseases

LOCATION: MS 52-56

TRACK(S): CRS

FACILITATED BY: Herand Abcarian, MD, FACS, *Chicago, IL*

ME102 | Anti-Reflux Gadgets and Gimmicks

LOCATION: MS 50-62

TRACK(S): GEN, CTS

FACILITATED BY: Brant K. Oelschlager, MD, FACS, *Seattle, WA*

ME103 | Approaches to Acute Pancreatitis

LOCATION: MS 101

TRACK(S): GEN

FACILITATED BY: Grant E. O'Keefe, MD, FACS, *Seattle, WA*

ME104 | Bariatric Surgery for the General Surgeon

LOCATION: MS 102

TRACK(S): GEN

FACILITATED BY: John M. Morton, MD, MPH, FACS, *Menlo Park, CA*

ME105 | Breast Cancer Management in 2019

LOCATION: MS 209

TRACK(S): GEN, ONC

FACILITATED BY: Nancy L. Gantt, MD, FACS, *Youngstown, OH*, and Kari Rosenkranz, MD, FACS, *Norwich, VT*

ME106 | What Just Happened? Dealing with Devastating Complications

LOCATION: MS 204

TRACK(S): GEN

FACILITATED BY: Oscar D. Guillaumondegui, MD, FACS, *Nashville, TN*, and Daniel S. Eiferman, MD, FACS, *Columbus, OH*

ME107 | Critical Issues in Laparoscopic Ventral Hernia Repair

LOCATION: MS 212

TRACK(S): GEN

FACILITATED BY: Andrew S. Wright, MD, FACS, *Seattle, WA*

ME108 | Enteral Access for Nutrition

LOCATION: MS 305-309

TRACK(S): GEN, PED

FACILITATED BY: Richard J. Hendrickson, MD, FACS, *Kansas City, MO*

ME109 | Female Urology

LOCATION: MS 310-311

TRACK(S): URO, OBG

FACILITATED BY: Roger R. Dmochowski, MD, FACS, *Nashville, TN*

ME110 | Genitourinary Trauma

LOCATION: MS 312

TRACK(S): URO, TRA

FACILITATED BY: Hunter B. Wessells, MD, FACS, *Seattle, WA*

ME111 | Minimally Invasive Parathyroidectomy

LOCATION: MS 313

TRACK(S): GEN, OTO

FACILITATED BY: Herbert Chen, MD, FACS, *Birmingham, AL*

ME112 | Operation Giving Back

LOCATION: MS 314

TRACK(S): HUM

FACILITATED BY: Girma Tefera, MD, FACS, *Madison, WI*

ME113 | Rib Fixation: Who, When, How?

LOCATION: MW 3024

TRACK(S): TRA

FACILITATED BY: Hasan B. Alam, MBBS, FACS, *Ann Arbor, MI*, and Dawn E. Jaroszewski, MD, FACS, *Scottsdale, AZ*

ME114 | Robotic Cardiothoracic Surgery

LOCATION: MS 104

TRACK(S): CTS, EDU, GEN, HP, ONC

FACILITATED BY: Rishindra M. Reddy, MD, FACS, *Ann Arbor, MI*

ME115 | Using Emotional Intelligence to Optimize Your Professional Success

LOCATION: MS 105

TRACK(S): EDU, GEN

FACILITATED BY: Nasim Hedayati, MD, FACS, *Sacramento, CA*

Tuesday, October 29

11:30 am-12:30 pm

ME201 | Abdominal Compartment Syndrome

LOCATION: MS 204

TRACK(S): TRA, GEN

FACILITATED BY: Demetrios Demetriades, MD, FACS, *Sierra Madre, CA*

ME202 | Approaches to Nipple-Sparing Mastectomy

LOCATION: MS 212

TRACK(S): GEN, ONC, PLA

FACILITATED BY: Jay K. Harness, MD, FACS, *Stateline, NV*

ME203 | Assessing Chronic Pain Following Inguinal Hernia Repair

LOCATION: MS 305-309

TRACK(S): GEN

FACILITATED BY: John B. Hanks, MD, FACS, *Charlottesville, VA*, and Katherine Graw Lamond, MD, FACS, *Chevy Chase, MD*

ME204 | Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death

LOCATION: MS 310-311

TRACK(S): ETH, GEN, GER, ONC, TRA

FACILITATED BY: Margaret L. Schwarze, MD, FACS, *Madison, WI*

ME205 | Evaluation and Management of Pancreatic Cyst

LOCATION: MS 312

TRACK(S): GEN

FACILITATED BY: Christian M. Schmidt, MD, FACS, *Indianapolis, IN*

ME206 | Gastrointestinal Stromal Tumors (GIST)

LOCATION: MS 313

TRACK(S): GEN, ONC

FACILITATED BY: Ronald P. DeMatteo, MD, FACS, *Philadelphia, PA*

ME207 | Intracorporeal vs. Extracorporeal Anastomoses in Laparoscopic Bowel Surgery

LOCATION: MS 50-62

TRACK(S): CRS

FACILITATED BY: Barry A. Salky, MD, FACS, *New York, NY*

ME208 | Laparoscopic Colectomy: Tips and Tricks

LOCATION: MS 52-56

TRACK(S): CRS

FACILITATED BY: Peter W. Marcello, MD, FACS, *Burlington, MA*

ME209 | Medullary Thyroid Cancer: What You Need to Know

LOCATION: MS 101

TRACK(S): OTO, GEN, ONC

FACILITATED BY: Paul H. Graham, MD, FACS, *Houston, TX*

ME210 | Minimally Invasive Acute Care Surgery: What, When, and by Whom?

LOCATION: MS 102

TRACK(S): TRA

FACILITATED BY: Robert B. Lim, MD, FACS, *Kailua, HI*

ME211 | Pediatric Urology

LOCATION: MS 314

TRACK(S): URO, PED

FACILITATED BY: David A. Bloom, MD, FACS, *Ann Arbor, MI*

ME212 | Personalized Medicine for Breast Cancer

LOCATION: MS 209

TRACK(S): ONC

FACILITATED BY: Terry Sarantou, MD, FACS, *Charlotte, NC*

ME213 | Reoperative Parathyroid Surgery

LOCATION: MS 104

TRACK(S): OTO, GEN

FACILITATED BY: Quan-Yang Duh, MD, FACS, *San Francisco, CA*

ME214 | Screening and Diagnosis of Prostate Cancer: PSA and Beyond

LOCATION: MS 105

TRACK(S): URO

FACILITATED BY: Robert R. Bahnson, MD, FACS, *Columbus, OH*, and Michael S. Cookson, MD, FACS, *Oklahoma City, OK*

ME215 | Sports Hernia: How to Diagnose and Understand Management Options

LOCATION: MS 58-60

TRACK(S): GEN

FACILITATED BY: L. Michael Brunt, MD, FACS, *St. Louis, MO*

Wednesday, October 30

11:30 am-12:30 pm

ME301 | Anal Neoplasia

LOCATION: MS 102

TRACK(S): CRS

FACILITATED BY: Stephen E. Goldstone, MD, FACS, New York, NY

ME302 | Avoiding Thyroid Surgery Complications

LOCATION: MS 50-62

TRACK(S): OTO, GEN

FACILITATED BY: Amy Y. Chen, MD, MPH, FACS, Atlanta, GA

ME303 | Complex Abdominal Injuries

LOCATION: MS 52-56

TRACK(S): TRA

FACILITATED BY: David V. Feliciano, MD, FACS, Baltimore, MD

ME304 | Endoscopic Management of Anterior Skull Base Lesions: State of the Art

LOCATION: MS 101

TRACK(S): OTO, NEU

FACILITATED BY: Ivan H. El-Sayed, MD, FACS, San Francisco, CA

ME305 | Evidence-Based Treatment of Incisional Hernia

LOCATION: MS 209

TRACK(S): GEN

FACILITATED BY: Please see addendum and Clinical Congress App.

ME306 | Have I Got a Job for You! Careers in Surgical Informatics and Quality

LOCATION: MS 104

TRACK(S): INFO

FACILITATED BY: Jyotirmay Sharma, MD, FACS, Atlanta, GA

ME307 | Improving Outcomes in Bladder Cancer Surgery: Important Advances in Care

LOCATION: MS 105

TRACK(S): URO

FACILITATED BY: Tracy M. Downs, MD, FACS, Madison, WI, and Sam S. Chang, MD, FACS, Nashville, TN

ME308 | Management of the Axilla in T1 or T2 Breast Cancer

LOCATION: MS 204

TRACK(S): ONC

FACILITATED BY: Andrea V. Barrio, MD, FACS, New York, NY

ME309 | Contemporary Issues in Men's Sexual Health

LOCATION: MS 312

TRACK(S): URO

FACILITATED BY: Robert R. Bahnson, MD, FACS, Columbus, OH

ME310 | Necrotizing Soft-Tissue Infections

LOCATION: MS 314

TRACK(S): TRA, GEN

FACILITATED BY: Sharon M. Henry, MD, FACS, Baltimore, MD

ME311 | Peritoneal Dialysis Catheters: Tips and Tricks

LOCATION: MS 310-311

TRACK(S): GEN, URO

FACILITATED BY: M. Timothy Nelson, MD, FACS, Albuquerque, NM

ME312 | Pilonidal Disease: What Are My Options?

LOCATION: MS 212

TRACK(S): RUS, CRS

FACILITATED BY: Mary O. Aaland, MD, FACS, Fargo, ND

ME313 | Should I Be Using Molecular Testing for All Thyroid Follicular Lesions of Uncertain Significance (FLUS)?

LOCATION: MS 313

TRACK(S): OTO, GEN

FACILITATED BY: Brendan C. Stack, MD, FACS, Little Rock, AR

ME314 | The Difficult Gallbladder: Tricks of the Trade

LOCATION: MS 305-309

TRACK(S): GEN

FACILITATED BY: Nathaniel J. Soper, MD, FACS, Chicago, IL

ME315 | The Role of Damage Control in Emergency Surgery

LOCATION: MW 3024

TRACK(S): TRA

FACILITATED BY: Rajan Gupta, MD, FACS, New Brunswick, NJ, and Gregory P. Victorino, MD, FACS, Oakland, CA

Town Hall Meetings

Town Hall Meetings provide a forum for informal discussion about issues relevant to the Fellows of the American College of Surgeons (ACS) as well as to address specific topics and areas of concern identified by the Advisory Councils and governing committees of the ACS. To maintain the informal atmosphere, audio/visual aids are not provided and no formal presentations are made. These meetings are scheduled 7:00 to 7:45 am, Tuesday through Thursday of the Clinical Congress. Attendance is included at no extra charge with a paid meeting registration. (Continuing Medical Education Credit hours are not offered.)

Tuesday, October 29

7:00-7:45 am

TH201 | Stop the Bleed®! Resources for Young Surgeons and How to Start a Program

LOCATION: MN 22

TRACK(S): RES-MED, TRA

MODERATOR: Amy Stewart, MD, FACS, *Chicago, IL*

CO-MODERATOR: Lenworth M. Jacobs, Jr., MD, MPH, FACS, *West Hartford, CT*

Stop the Bleed has been an amazing initiative of the Committee on Trauma and the American College of Surgeons. The responsibility of starting a program is often given to young surgeons, and with this in mind, this Town Hall will focus on how to start a meaningful program with different resources.

Sponsored by the Committee on Trauma and the Young Fellows Association

TH202 | Carrying the Weight: How to Deal with Complications as a New Surgeon

LOCATION: MN 20

TRACK(S): GEN, RES-MED

MODERATOR: Sean J. Langenfeld, MD, FACS, *Omaha, NE*

CO-MODERATOR: Daniel S. Eiferman, MD, FACS, *Columbus, OH*

Residency and fellowship provide surgeons with the tools necessary to be safe and effective clinicians. However, they often do not adequately prepare us for the devastating effect that major complications can have on our confidence and performance. With nobody higher up the chain to look to when dealing with adverse outcomes, which are inevitable, new surgeons can often be crushed by the weight of their guilt and feelings of inadequacy. The goal of this forum is to provide young Fellows with encouragement and advice to help them face these difficult obstacles, including how to approach them acutely, and how to convert them into learning experiences that foster further growth and self-improvement.

Sponsored by the Young Fellows Association

TH203 | Avoiding Personal Financial Nightmares in a Surgical Career

LOCATION: MN 21

TRACK(S): GEN

MODERATOR: Andrew L. Warshaw, MD, FACS, FRCSEd(Hon), *Boston, MA*

CO-MODERATOR: E. Christopher Ellison, MD, FACS, *Powell, OH*

This Town Hall will address important professional and personal considerations that relate to financial planning. The topics to be discussed will include red flags in the contract negotiations, guidelines for wealth accumulation, asset and financial management, retirement planning, and insurance planning for income and family protection against disability and premature death.

Sponsored by the Committee on Professional Opportunities for Senior Surgeons

TH204 | Palliative Care: How to Integrate Palliative Care in Your Practice as a Surgeon

LOCATION: MS 159

TRACK(S): ETH, GEN

MODERATOR: Emily B. Rivet, MD, FACS, *Richmond, VA*

CO-MODERATOR: Anne C. Mosenthal, MD, FACS, *Newark, NJ*

Effective inpatient palliative care improves symptom management and patient satisfaction and reduces hospital costs in seriously ill patients. This session will focus on the integration for palliative care in an otherwise clinically busy practice.

Sponsored by the Young Fellows Association

TH205 | Structural Violence and Disparity Affecting Surgical Outcomes: How Can We Be Part of the Solution?

LOCATION: MS 160

TRACK(S): GEN

MODERATOR: Selwyn O. Rogers, MD, FACS, *Chicago, IL*

CO-MODERATOR: Rishi Rattan, MD, FACS, *Miami, FL*

Structural violence refers to systematic ways in which social structures harm or otherwise disadvantage individuals. These disparities affect our patients' outcomes, and as surgeons, we have the social responsibility to recognize these issues and be part of the change. This Town Hall will focus on these issues and potential solutions.

Sponsored by the Young Fellows Association

TH206 | How Can Mindfulness Improve Your Surgical Skills?

LOCATION: MS 158

TRACK(S): GEN

MODERATOR: Oscar D. Guillaumondegui, MD, FACS, Nashville, TN

CO-MODERATOR: Carter K. Lebares, MD, San Francisco, CA

Mindfulness training is derived mainly from Eastern-based philosophical traditions, with mindfulness-based concepts and therapies widely incorporated into experimental and clinical psychology and psychiatry in the past 30 years. Mindfulness-based stress reduction refers to the awareness that emerges through paying attention on purpose, in the present moment (without judgment), to the unfolding of the experience moment by moment. The Town Hall will focus on how to use this technique and its correlation to outcomes.

Sponsored by the Young Fellows Association and the Resident and Associate Society

TH207 | General Surgeons Practicing Primary Care in Rural Communities

LOCATION: MN 23

TRACK(S): RUS

MODERATOR: Matthew B. Rossi, MD, FACS, Hopedale, IL

CO-MODERATOR: David C. Borgstrom, MD, MBA, FACS, Morgantown, WV

The critical need for surgeons and primary care physicians in rural communities is well documented. In some communities the surgeon may also be ideally suited to fill both roles. The added clinical exposure and revenue for the rural surgeon may make a practice financially feasible, which for the low-volume surgeon may not have been otherwise possible. The continuity of care the surgeon provides by managing the patient before, during, and after an operation may lead to better outcomes. This Town Hall will discuss the practicalities of primary care, the basic economics, and the rewards of becoming an "uber physician."

Sponsored by the Advisory Council for Rural Surgery

TH208 | How Does Continuous Certification Work? A Town Hall from the American Board of Surgery

LOCATION: MS 151

TRACK(S): GEN, PED, VAS

MODERATOR: Jo Buyske, MD, FACS, Philadelphia, PA

CO-MODERATOR: Kenneth C. Kent, MD, FACS, Columbus, OH

The American Board of Surgery implemented the new Continuous Certification process for General Surgery in 2018. This program is replacing the prior Maintenance of Certification program and 10-year exam. Vascular, pediatric, and critical care surgery plan to roll out Continuous Certification in the near future. This Town Hall will be led by the Executive Director and the Chair of the American Board of

Surgery. Data from the 2018 Continuous Certification Program examination (the first given open-book, online, and at home) will be briefly discussed and then a question-and-answer session with Fellows will discuss the process and address concerns about the changes.

Sponsored by the Advisory Council for General Surgery

TH209 | What Is Futile Care in Emergency Surgery?

LOCATION: MS 152

TRACK(S): GEN, TRA

MODERATOR: Zara Cooper, MD, FACS, Boston, MA

This Town Hall will focus on how to use mortality calculators in emergency surgery and how to approach end-of-life care using evidence-based medicine.

Sponsored by the Committee on Trauma and the Young Fellows Association

Wednesday, October 30**7:00-7:45 am****TH301 | Advocacy 101: Why and How to Get Involved and Make a Difference**

LOCATION: MN 22

TRACK(S): GEN

MODERATOR: Marion C. Henry, MD, FACS, Tucson, AZ

CO-MODERATOR: Amy E. Liepert, MD, FACS, Madison, WI

This Town Hall will focus on why advocacy is important and how to get involved at the local, state, and federal level.

Sponsored by the Young Fellows Association

TH302 | Global Surgery and Opportunities for the Young Surgeon: How Can I Get Involved?

LOCATION: MN 20

TRACK(S): GEN, PED, PLA, RES-MED

MODERATOR: Gregory L. Peck, DO, FACS, New Brunswick, NJ

CO-MODERATOR: Sudha P. Jayaraman, MD, FACS, Richmond, VA

The Lancet Commission on Global Surgery introduced six surgical indicators to assess national surgical preparedness, delivery, and affordability in low- and middle-income countries. The measurement of these indicators has no defined methodology or process. We have noticed through our work in academic global surgery that measurement of indicators and its relationship to national surgical planning requires multisectoral education and training essential to policy and advocacy championed by surgeons. This Town Hall will focus on how to get involved as young surgeons.

Sponsored by the Young Fellows Association and Operation Giving Back

TH303 | Grants, Publications, Deadlines: How to Build a Research Profile and Balance a Busy Clinical Career

LOCATION: MN 21

TRACK(S): GEN

MODERATOR: Robert D. Winfield, MD, FACS, *Mission Hills, KS*
CO-MODERATOR: Ashley B. Christmas, MD, FACS, *Charlotte, NC*

While research is an integral part of an academic surgical career, young surgeons often don't have protected time, and have to find a way to balance several roles. This Town Hall will focus on how to effectively publish and get funding while maintaining clinical credibility.

Sponsored by the Young Fellows Association

TH304 | LinkedIn, Doximity, ResearchGate, Twitter, and Facebook: What Tools and How to Use Them for Your Professional Development

LOCATION: MS 159

TRACK(S): GEN

MODERATOR: James W. Suliburk, MD, FACS, *Houston, TX*
CO-MODERATOR: Jamie J. Coleman, MD, FACS, *Denver, CO*

There is a myriad social media tools available for the young surgeon. Each one has advantages and challenges. This Town Hall will explore these tools and how to use them while maintaining a busy clinical practice.

Sponsored by the Young Fellows Association

TH305 | Locum Tenens: Pros and Cons for the Surgeon

LOCATION: MS 160

TRACK(S): GEN

MODERATOR: Mary O. Aaland, MD, FACS, *Fargo, ND*
CO-MODERATOR: Mary K. Boggs, DO, FACS, *Annapolis, MD*

The number of surgical procedures performed each year is once again showing an upward trend, especially as more patients join the ranks of the insured. As health care facilities work to keep up with demand, they are using more locum tenens surgeons to fill any critical gaps in staffing, covering general surgery and many subspecialties. This Town Hall will focus on challenges and advantages of working with locum tenens.

Sponsored by the Young Fellows Association

TH306 | The Strength of Diversity Measured on Outcomes

LOCATION: MS 158

TRACK(S): GEN

MODERATOR: Dana A. Telem, MD, MPH, FACS, *Ann Arbor, MI*
CO-MODERATOR: Patricia L. Turner, MD, FACS, *Chicago, IL*

The advantages of diversity are well documented in the business world. Diverse teams make better and faster decisions. These advantages could be replicated in medicine and in surgery. This Town Hall will focus on how to build on diversity to strengthen the team and our outcomes.

Sponsored by the Young Fellows Association

TH307 | Children's Surgery Verification Program Update

LOCATION: MN 23

TRACK(S): PED

MODERATOR: Keith T. Oldham, MD, FACS, *Milwaukee, WI*CO-MODERATOR: Mary E. Fallat, MD, FACS, *Louisville, KY*

The goal of the American College of Surgeons (ACS) Children's Surgery Verification (CSV) Quality Improvement Program is to ensure that pediatric surgical patients have access to high-quality care. This program defines the resources required to achieve optimal patient outcomes for children receiving surgical care at verified health care facilities. The CSV program launched in 2017 and has continued to expand. This Town Hall aims to provide information to surgeons of all specialties regarding updates to the program, discussion of Level II and III hospitals, and anticipated changes to the ACS National Surgical Quality Improvement Program (ACS NSQIP®) Pediatric that will be instituted to improve the quality of care delivered. A discussion and question-and-answer period will be included in this session.

Sponsored by the Children's Surgery Verification Committee

TH309 | Surgical Resident Wellness Initiatives: Overcoming Common Barriers to Successful Implementation

LOCATION: MS 152

TRACK(S): EDU, RES-MED

MODERATOR: Annesley W. Copeland, MD, FACS, *Washington, DC*CO-MODERATOR: Yue Yung Hu, MD, *Chicago, IL*

Recent studies have focused on highlighting a lack of resident well-being and the affect of burnout on practicing physicians. Trainee wellness has been associated with a sense of control and autonomy, building competency, and enhancing social relatedness. Although well-being is an Accreditation Council for Graduate Medical Education (ACGME) Professional Milestone, institution-wide programs have been difficult to implement within surgical residency programs given unique constraints of surgical training, such as limited daytime availability and often the lack of a regularly scheduled noon conference. New ACGME program core requirements include administrative and logistical support for residents' mental and physical health, as well as burnout and fatigue mitigation. This Town Hall will provide a forum to discuss how to implement national mandates for resident well-being curricula within the context of surgical residency.

Sponsored by the Committee on Resident Education and the Resident and Associate Society

Thursday, October 31

7:00-7:45 am

**TH401 | Functional Ergonomics for Surgeons:
Protect Your Neck and Your Career**

LOCATION: MN 22

TRACK(S): GEN

MODERATOR: Matthew J. Martin, MD, FACS, *San Diego, CA*

CO-MODERATOR: Raquel M. Forsythe, MD, FACS,
Pittsburgh, PA

In this Town Hall we will discuss current literature evaluating the extent of cumulative traumatic disorders among surgeons, common mistakes to avoid, and strategies to prevent workplace injuries.

Sponsored by the Young Fellows Association

TH403 | Financial Literacy for the Surgical Practice

LOCATION: MN 20

TRACK(S): GEN

MODERATOR: Sharmila Dissanaiké, MD, FACS, FCCM,
Lubbock, TX

CO-MODERATOR: Ara J. Feinstein, MD, FACS, *Phoenix, AZ*

There is a paucity of financial knowledge among young surgeons, especially in academic programs. This session will help the participant understand the basics of a revenue cycle, and which metrics are important to ensure your practice is functioning optimally. In addition, strategic measures to ensure your productivity is quantified and compensated as best as possible are described, and how national changes in health care reimbursement might affect surgical reimbursement in the next 5 to 10 years.

Sponsored by the Young Fellows Association

PANEL SESSIONS

Sunday, October 27

PS001 | 7:00 am-4:30 pm

Excelsior: Military-Civilian Partnerships for Training, Sustaining, and Retraining

LOCATION: Hilton San Francisco Union Square
Continental Ballroom 7-8

TRACK(S): GEN, TRA

MODERATOR: Mary M. Knudson, MD, FACS, *San Francisco, CA*

CO-MODERATOR: Robert B. Lim, MD, FACS, *Kailua, HI*

During this annual event, held on the Sunday of the Clinical Congress, active duty military surgeons and retired military personnel, as well as medical students and residents in training meet to hear updates from the General Surgery Advisors to the Army, Navy, and Air Force. This meeting also includes the Region 13 Committee on Trauma (COT) trauma resident paper competition. *This session does not offer self-assessment credit.*

Welcome and Introduction

Robert B. Lim, MD, FACS, *Kailua, HI*

Committee on Trauma Competition

Stacy A. Shackelford, MD, FACS, *Fort Sam Houston, TX*

Graduate Medical Education

Robert L. Ricca, MD, FACS, *Portsmouth, VA*

Assignments and Deployments

Luke J. Hoffman, DO, FACS, *China Grove, TX*

Future of the Military Surgeon

James B. Sampson, MD, FACS, *Universal City, TX*

Keynote Address: Pryor Lecture—Bridge over Troubled

Water: Trials, Tribulations, Triumphs, and Training

Mark W. Bowyer, MD, FACS, *Fairfax, VA*

Global Health Engagement and Humanitarian Care

John S. Oh, MD, FACS, *Hummelstown, PA*

Overview of Department of Defense Instruction (DODI)

2000.30 and Priorities of Combatant Command (CCMD)

James A. Chambers, MD, FACS, *Falls Church, VA*

International Health Specialist and Defense Institute for Medical Operations (DIMO)

Debra L. Malone, MD, FACS, *Catonsville, MD*

Navy Global Health Specialist Program (GHSP) Additional

Qualification Designators (AQD) and Hospital Ships

Howard I. Pryor II, MD, *Bethesda, MD*

Perspective of Army Global Health Engagement and

Global Trauma System Evaluation Tool

John S. Oh, MD, FACS, *Hummelstown, PA*

Uniformed Services University Division of Global Surgery:

Please Volunteer

Eric A. Elster, MD, FACS, *Bethesda, MD*

Joint International Training from Greece

Emmanouil Pikoulis, MD, FACS, *Athens, Greece*

Success of the Military Civilian Collaborations

Gordon G. Wisbach, MD, MBA, FACS, *San Diego, CA*

Ensuring Quality in Bariatric Care with the American

Society for Metabolic and Bariatric Surgery (ASMBS)

Eric P. Ahnfeldt, DO, FACS, FASMBS, *El Paso, TX*

Advancing toward Surgical Proficiency and Mastery with SAGES

Gordon G. Wisbach, MD, MBA, FACS, *San Diego, CA*

Embedding Surgeons in Civilian Institutions

John S. Bruun, MD, FACS, *Las Vegas, NV*

Are Military Residencies as Good as Civilian Ones?

Vance Y. Sohn, MD, FACS, *Gig Harbor, WA*

After Active Duty: The Success of the Reservists

Jeremy W. Cannon, MD, FACS, *Philadelphia, PA*

After Active Duty: How Can I Contribute Without Doing

CONUS Replacement Center (CRC)

Aaron Epstein, MD, *Buffalo, NY*

Presidential Address

Robert B. Lim, MD, FACS, *Kailua, HI*

Awards and New Officers

Gordon G. Wisbach, MD, MBA, FACS, *San Diego, CA*

Sponsored by the Military Health System

Strategic Partnership

PS002 | 1:00-3:00 pm

Resident and Associate Society-American College of Surgeons Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility?

LOCATION: MS 212

TRACK(S): EDU, ETH, GEN, HP, RES-MED

MODERATOR: Barbara Lee Bass, MD, FACS, FRCSEng(Hon),

FRCSI(Hon), FCOSECSA(Hon), *Houston, TX*

FACILITATOR: Christopher F. McNicoll, MD, *Las Vegas, NV*

Surgical residency training programs have undergone changes to the scheduling and curriculum to accommodate duty-hour regulations imposed by the national accrediting agency. Practice patterns and call schedules for attending surgeons have also undergone changes. The historical model for the surgical profession has included home call for nights and weekends for one's own patients, without scheduled time off. Current trends to prevent burnout and improve work-life balance, however, have encouraged changes in call and daily schedules, and a shift work arrangement has been implemented by some surgical specialties, such as acute care surgery. Other surgical specialties have initiated call schedules among their surgical teams, with dedicated coverage to prevent 24/7 call responsibilities for an individual surgeon. This transformation has led to debate within the surgical field regarding the optimal way to implement surgical "shifts," or whether the field should avoid movement toward shift work entirely. Some argue that taking continuous

call for one's own patients promotes continuity of care, responsibility for patients, and decreases communication errors. Others propose that superior care is supported by shift work due to reduced sleep deprivation, medical errors, and surgeon burnout. The 2019 RAS ACS Symposium will include a debate whether shift work surgery should be encouraged as it creates a sensible balance of responsibility and promotes surgeon wellness or should it be discouraged as it reduces the surgeon's continuous involvement in their patients' care. This panel session will enlighten attendees about the benefits and drawbacks of surgeons working scheduling shifts and assist attendees in discerning the most effective way to provide superb patient care in team-based work environments.

SPEAKERS:

Introduction

Barbara Lee Bass, MD, FACS, FRCSEng(Hon), FRCSI(Hon), FCOSECSA(Hon), *Houston, TX*

Background Information on the Current State of Disclosure
Barbara Lee Bass, MD, FACS, FRCSEng(Hon), FRCSI(Hon), FCOSECSA(Hon), *Houston, TX*

Resident Presentation: Pro

Lili Sadri, MD, *Abington, PA*

Resident Presentation: Con

Jessica Rea, MD, *Los Angeles, CA*

Expert Presentation: Pro

Sharmila Dissanaik, MD, FACS, FCCM, *Lubbock, TX*

Expert Presentation: Con

Kenneth L. Mattox, MD, FACS, *Houston, TX*

Sponsored by the Resident and Associate Society

Monday, October 28

PS101 | 9:45-11:15 am

Diverticulitis: Are the Answers Changing?



LOCATION: MS 205-208, 213-216

TRACK(S): CRS, GEN, RUS, TRA

MODERATOR: John D. Stanley, MD, FACS, *Chattanooga, TN*

CO-MODERATOR: Eric G. Weiss, MD, FACS, *Weston, FL*

Diverticulitis is a common surgical disease but there is still considerable controversy concerning whether laparoscopic or open surgery is the best approach—when to drain and when to primarily resect or resect and divert. When is surgical resection indicated after nonoperative admissions for diverticulitis?

Introductions

John D. Stanley, MD, FACS, *Chattanooga, TN*

Eric G. Weiss, MD, FACS, *Weston, FL*

Evolving Nonoperative Treatments

Heather L. Yeo, MD, FACS, *New York, NY*

Options in Emergency Treatment

Matthew G. Mutch, MD, FACS, *St. Louis, MO*

When Is Resection Recommended after Nonoperative Admissions?

Jason F. Hall, MD, MPH, FACS, FASCRS, *Lincoln, MA*

Laparoscopic vs. Open Resection

Dana M. Hayden, MD, MPH, FASCRS, *Chicago, IL*

Panel Discussion

Eric G. Weiss, MD, FACS, *Weston, FL*

John D. Stanley, MD, FACS, *Chattanooga, TN*

Sponsored by the Advisory Council for Colon and Rectal Surgery and the Advisory Council for General Surgery

PS102 | 9:45-11:15 am

Necrotizing Pancreatitis: Dealing with a Devastating Disease



LOCATION: MW 3014-3018

TRACK(S): GEN, RUS, TRA

MODERATOR: Steven J. Hughes, MD, FACS, *Gainesville, FL*

CO-MODERATOR: Oliver L. Gunter, MD, FACS, *Nashville, TN*

Necrotizing pancreatitis is not a common development in most patients with acute pancreatitis. However, it is lethal and more complex to manage. This panel will discuss evaluation techniques, medical management, and indications for surgical intervention.

Percutaneous Drainage and the Step-Up Approach

Kevin E. Behrns, MD, FACS, *St. Louis, MO*

Open, Transgastric Necrosectomy

Chad G. Ball, MD, FRCSC, *Calgary, Alberta*

Open Necrosectomy

Nicholas J. Zyromski, MD, FACS, *Indianapolis, IN*

Persistent Inflammation, Immunosuppression, and Catabolism Syndrome

Frederick A. Moore, MD, FACS, *Gainesville, FL*

Sponsored by the Advisory Council for General Surgery and the Committee on Trauma

PS103 | 9:45-11:15 am

The Multidisciplinary Care of the Central Nervous Injuries



LOCATION: MS 301-302

TRACK(S): NEU, RUS, TRA

MODERATOR: Charles J. Prestigiacomo, MD, FACS, *Cincinnati, OH*

CO-MODERATOR: Bellal Joseph, MD, FACS, *Tucson, AZ*

The management of the neurotrauma patient can be controversial. With the many organ systems that can be affected with injuries to the head and neck, as well as the nuances of care in adult spine injury, this multispecialty symposium will provide attendees the evidence-based data on the complex care of the neurotrauma patient. A series of treatment algorithms will be presented and further developed during the panel discussions.

The Epidemiology of Traumatic Brain Injury (TBI):

Going by the Numbers

Charles J. Prestigiacomo, MD, FACS, *Cincinnati, OH*

Blood in the Brain: When to Call Neurosurgery

Bellal Joseph, MD, FACS, *Tucson, AZ*

Managing Solid Organ Injury in Central Nervous System (CNS) Trauma: What Comes First?

Matthew J. Martin, MD, FACS, FASMBs, *San Diego, CA*

Managing Anticoagulants in Traumatic Brain Injury (TBI)
Deborah M. Stein, MD, MPH, FACS, FCCM, *San Francisco, CA*
Refractory Intracranial Pressure (ICP) Management
Please see addendum and Clinical Congress App.

Case Presentations
Charles J. Prestigiacomo, MD, FACS, *Cincinnati, OH*
Sponsored by the Advisory Council for Neurological Surgery and the Committee on Trauma

PS104 | 9:45-11:15 am
Humanitarian Surgical Outreach at Home and Abroad: Reports of the 2019 Volunteerism and Humanitarian Award Winners



LOCATION: MS 154

TRACK(S): HUM, INT, RES-MED
MODERATOR: Helen A. Pass, MD, FACS, *Stamford, CT*
CO-MODERATOR: Mark A. Dobbertien, DO, FACS, *Orange Park, FL*

This plenary session showcases the 2019 Volunteerism and Humanitarian Award winners who will share insights into their motivation, accomplishments, and lessons learned related to humanitarian surgical outreach. As innovators and leaders in surgical outreach, the honorees' stories will create a robust portrayal of this complex work. Together, they will form the basis for a lively question-and-answer segment at the conclusion of the session.

Welcoming Remarks
Girma Tefera, MD, FACS, *Madison, WI*

Thanks on Behalf of Pillar/Board of Governors
Terry Buchmiller, MD, FACS, *Boston, MA*

Overview of Awards
Helen A. Pass, MD, FACS, *Stamford, CT*

Introduction of Resident Awardee
Mark A. Dobbertien, DO, FACS, *Orange Park, FL*

Resident Awardee Presentation
Please see addendum and Clinical Congress App.

Introduction of Domestic Awardee
Helen A. Pass, MD, FACS, *Stamford, CT*

Domestic Awardee Presentation
Please see addendum and Clinical Congress App.

Introduction of International Awardee
Mark A. Dobbertien, DO, FACS, *Orange Park, FL*
International Awardee Presentation
Please see addendum and Clinical Congress App.

Introduction of Humanitarian Awardee One
Helen A. Pass, MD, FACS, *Stamford, CT*

Humanitarian Awardee Presentation One
Please see addendum and Clinical Congress App.

Introduction of Humanitarian Awardee Two
Mark A. Dobbertien, DO, FACS, *Orange Park, FL*
Humanitarian Awardee Presentation Two
Please see addendum and Clinical Congress App.

Sponsored by Operation Giving Back

PS105 | 9:45-11:15 am
Skinny the Wrong Way: Orthopaedic Issues and Bariatric Surgery



LOCATION: MW 2002-2004

TRACK(S): ORT, GEN
MODERATOR: William G. Ward, MD, FACS, *Winston-Salem, NC*
CO-MODERATOR: James Dasher, MD, FACS, *Kernersville, NC*

Obesity is a causative co-factor and surgical risk escalator for hip and knee osteoarthritis, as well as multiple other conditions. Body mass index (BMI) parameters are increasingly being used as qualifiers for elective surgery such as hip and knee replacements, as markedly elevated BMI levels are associated with unacceptable rates of surgical complications. Bariatric intervention, with physiologically appropriate weight reduction, is increasingly sought to help patients qualify for and ready themselves for these major surgical procedures. This session will review data on adverse health effects of obesity, surgical risks associated with operating on the obese, and the growing role of collaborative programs between surgical specialists such as orthopaedic surgeons and their bariatric surgeon colleagues. The insurance industry also is directing punitive measures toward providers and health systems that refuse to adopt these new patient care standards.

Orthopaedics and Obesity: Introduction and Overview
William G. Ward, MD, FACS, *Winston-Salem, NC*

Medical Issues and Obesity: Weight Loss for Orthopaedics
Karen E. Bowen, DO, *Kernersville, NC*

Bariatric Surgery in Orthopaedic Patients
James Dasher, MD, FACS, *Kernersville, NC*

Sponsored by the Advisory Council for Orthopaedic Surgery

PS106 | 9:45-11:15 am
Women Pioneers in Surgery



LOCATION: MW 2006-2008

TRACK(S): EDU
MODERATOR: Mary H. McGrath, MD, MPH, FACS, *San Francisco, CA*
CO-MODERATOR: Hilary A. Sanfey, MB, BCh, FACS, *Springfield, IL*

The session will demonstrate the commitment of early women surgeons to learning the discipline of surgery and applying their craft to the benefit of their patients. Each faced gender discrimination at every stage of their careers: traditional roles that restricted women to the home as wives and mothers, or in jobs like nursing and teaching deemed socially acceptable tasks for women; medical school enrollments that barred entry into the profession; widespread bias against women training in surgery; and the absence of woman role models and mentors. Their individual stories show their dedication and drive, ultimately contributing to significant advances in the care of surgical disease, improving the field of surgery itself beyond the issues of gender and diversity.

Overview of Women in the Surgical Workforce
Mary H. McGrath, MD, MPH, FACS, *San Francisco, CA*

The First Woman Surgeon in the U.S. (Mary Edwards Walker, 1832-1919)

Kimberly A. Davis, MD, FACS, *New Haven, CT*

The First Woman Surgeon in Canada (Jennie Smillie Robertson 1878-1981)

Robin S. McLeod, MD, FACS, *Toronto, ON*

The First Underrepresented Minority Woman Surgeon in the U.S. (Matilda Arabella Evans, 1897)

Susan E. Pories, MD, FACS, *Cambridge, MA*

The First Women American College of Surgeons Fellows
Carol Scott-Conner, MD, PhD, FACS, *Iowa City, IA*

Sponsored by the Women in Surgery Committee and the American College of Surgeons History Group

PS107 | 9:45-11:15 am

Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer



LOCATION: MS 153

TRACK(S): BTR, CRS, CTS, GEN, ONC

MODERATOR: Stefanie S. Jeffrey, MD, FACS, *Stanford, CA*

CO-MODERATOR: Genevieve M. Boland, MD, PhD, FACS, *Boston, MA*

Liquid biopsy measures tumor-derived products in blood and other easily attainable bodily fluids (such as urine, saliva, or tears). Such products include circulating tumor cells (CTCs), circulating endothelial cells, circulating nucleic acids (circulating tumor DNA, ctDNA, or microRNA), tumor-educated platelets, and extracellular vesicles (EVs, of which exosomes are a subpopulation). Liquid biopsy blood or other fluid samples may be obtained serially without entailing the risk of tissue biopsy and may better reflect the spectrum of molecular features defining a patient's cancer that could be missed with a single core needle tissue biopsy of a heterogeneous tumor. This session will give an overview of the field and then describe areas that may specifically affect future surgical care and oncology practice.

Liquid Biopsy—An Overview

Stefanie S. Jeffrey, MD, FACS, *Stanford, CA*

Whole Transcriptome RNA-Seq of Circulating Tumor Cells in Breast Cancer to Characterize Treatment Opportunities

Julie E. Lang, MD, FACS, *Los Angeles, CA*

Current and Future Applications of Circulating Tumor DNA in the Management of Lung Cancer

James M. Isbell, MD, FACS, *New York, NY*

Liquid Biopsy for Pancreas Cancer: Ready for Prime Time?

Jeffrey A. Drebin, MD, PhD, FACS, *New York, NY*

Utilization of Circulating Extracellular Vesicles for Disease Monitoring in Cancer

Genevieve M. Boland, MD, PhD, FACS, *Boston, MA*

Panel Discussion: Issues in Implementation of Liquid Biopsy for Clinical Care

Stefanie S. Jeffrey, MD, FACS, *Stanford, CA*

Genevieve M. Boland, MD, PhD, FACS, *Boston, MA*

Sponsored by the Scientific Forum Committee

PS108 | 11:30 am-1:00 pm

The Call Bladder: Dealing with the Acute Gallbladder



LOCATION: MW Ballroom

TRACK(S): GEN, RUS, TRA

MODERATOR: Tyler G. Hughes, MD, FACS, *Salina, KS*

CO-MODERATOR: Sharmila Dissanaïke, MD, FACS, FCCM, *Lubbock, TX*

Surgeons are more frequently evaluating the acute on-call gallbladder in ever older and sicker patients. They may be anticoagulated, septic, or have had numerous abdominal operations. This panel will discuss technical issues in operating upon the thickened and heavily indurated acute gallbladder and alternative strategies to deal with these difficult situations, such as percutaneous cholecystectomy or endoscopic retrograde cholangiopancreatography (ERCP).

A Panel on the Infamous Call Bladder

Sharmila Dissanaïke, MD, FACS, FCCM, *Lubbock, TX*

Case Presentations in Emergency Gallbladder Surgery

Tyler G. Hughes, MD, FACS, *Salina, KS*

Indications and Issues for Emergency Gallbladder Surgery

Amanda K. Arrington, MD, FACS, *Tucson, AZ*

The Benefits and Risks of Fenestrated Cholecystectomy

Steven M. Strasberg, MD, FACS, *St. Louis, MO*

ERCP (Endoscopic Retrograde Cholangiopancreatography) and the Surgeon

Michael D. Sarap, MD, FACS, *Cambridge, OH*

The Minimally Invasive Surgery (MIS) Surgeon and

Emergency Gallbladder Surgery: Is Open Cholecystectomy Still Indicated?

Aurora D. Pryor, MD, FACS, *Stony Brook, NY*

Where Does Laparoscopic Common Bile Duct Exploration Fit In?

Patrick L. Molt, MD, FACS, *Fairfield, IL*

Sponsored by the Advisory Council for General Surgery

PS109 | 11:30 am-1:00 pm

Multidisciplinary Management of Breast Cancer



LOCATION: MS 205-208, 213-216

TRACK(S): GEN, ONC

MODERATOR: Atilla Soran, MD, FACS, *Gibsonia, PA*

CO-MODERATOR: Faina Nakhliis, MD, FACS, *Boston, MA*

Breast cancer is a complex disease and we have witnessed profound transformations in breast cancer therapy. A multidisciplinary approach is essential for the management. The aim of this educational program is to discuss the current and future states of multi-modality management of breast cancer by focusing on what general surgeons should know.

Role of Neoadjuvant Therapy in Downstaging the Axilla

Beth Overmoyer, MD, FACP, *Boston, MA*

Imaging Axilla and Response to Neoadjuvant Therapy

Khai Tran, MD, *Sacramento, CA*

Tailored Axillary Surgery

Ronald R. Johnson, MD, FACS, *Sewickley, PA*

Tailored Radiation Therapy
Julia R. White, MD, *Columbus, OH*

Sponsored by the Commission on Cancer and the Advisory Council for General Surgery

PS110 | 11:30 am-1:00 pm
Urinary Diversion after Urologic, Gynecologic, and General Surgical Procedures: Approaches, Consequences, and Considerations for Re-Operation



LOCATION: MW 2002-2004

TRACK(S): CRS, GEN, OBG, TRA, URO

MODERATOR: Jay D. Raman, MD, FACS, *Hershey, PA*

CO-MODERATOR: Valentine N. Nfonso, MD, FACS, FASCRS, *Tucson, AZ*

Urinary diversion is performed for benign and oncologic procedures in the abdomen and pelvis by urologists, gynecologists, and general surgeons. There exists a variety of considerations with regards to: indications and choice of diversion type (ureterosigmoidostomy, ileal conduit, colon conduit, continent diversion); surgical techniques; consequences; and potential follow-up issues. This course will take a multidisciplinary approach to urinary diversion and address each of these different topic areas (choice of diversion, surgical techniques, and potential outcomes), and will also address the important considerations required when the abdomen requires re-exploration after the different types of urinary diversion.

Session Introduction

Jay D. Raman, MD, FACS, *Hershey, PA*

Complex Gynecology Affecting the Urinary Tract:

Considerations for Surgical Management

Gerald Harkins, MD, *Hershey, PA*

Urinary and Bowel Diversion in Patients Undergoing Pelvic Exenteration

Kirsten L. Greene, MD, FACS, *San Francisco, CA*

Contemporary Management of Rectourethral Fistulas

Madhulika G. Varma, MD, FACS, *San Francisco, CA*

Complexities of Urinary Diversion in the Setting of the Diseased Bowel States

Stefan D. Holubar, MD, *Cleveland, OH*

Re-operative Surgery for Failed Urinary Diversions

Tracy M. Downs, MD, FACS, *Madison, WI*

Session Conclusion

Valentine N. Nfonso, MD, FACS, FASCRS, *Tucson, AZ*

Sponsored by the Advisory Council for Urology and the Advisory Council for General Surgery

PS111 | 11:30 am-1:00 pm
Vulnerable Elderly: Optimizing Care for the Frail Patient



LOCATION: MS 303-304

TRACK(S): CRS, CTS, GEN, GER, ORT

MODERATOR: Michael E. Zenilman, MD, FACS, *Brooklyn, NY*

CO-MODERATOR: Rachel G. Khadaroo, MD, PhD, FRCSC, FACS, *Edmonton, Alberta*

In recent years, more has been learned about the definition of frailty and novel interventions to minimize frailty and its effects have been focused on improving outcomes for these vulnerable patients. This session will discuss: the surgical models of accelerated frailty; what we have learned from transplant patients about frailty; preventive measures for postoperative complications due to frailty; and implementing a focused program for our patients: The Coalition of Quality for Geriatric Surgery (COGS).

Introduction to Session

Michael E. Zenilman, MD, FACS, *Brooklyn, NY*

Introduction to Speakers

Rachel G. Khadaroo, MD, PhD, FACS, FRCSC,

Edmonton, Alberta

Definition: Surgical Models of Accelerated Frailty:

What We Learned from Transplant Patients

Dorry L. Segev, MD, *Baltimore, MD*

Assessment: Quick Assessment and Prehabilitation

Rakesh C. Arora, MD, PhD, FACS, FRCSC,

Winnipeg, Manitoba

Prevention: Frailty Programs in Surgical Care

Zara Cooper, MD, FACS, *Boston, MA*

The Future: The Coalition of Quality for Geriatric Surgery (COGS)

Ronnie A. Rosenthal, MD, FACS, *West Haven, CT*

Sponsored by the Scientific Forum Committee and the Task Force on Geriatric Surgery

PS112 | 11:30 am-1:00 pm
Global Engagement



LOCATION: MS 153

TRACK(S): HUM, INT

MODERATOR: Girma Tefera, MD, FACS, *Madison, WI*

This Panel Session will report and discuss the strategic direction of the American College of Surgeons in global and domestic volunteerism. The program will have two distinct segments: Domestic Volunteerism (30 minutes) and Global Engagement (45 minutes). During the Domestic Volunteerism segment, domestic volunteerism awardees will discuss best practices in providing volunteerism. During the Global Engagement segment, there will be an in-depth discussion of the partnerships developed by Operation Giving Back and colleges from low- and middle-income countries. The final segment will be an open mic session for Fellows to discuss the extraordinary volunteerism work they do around the globe.

Session I: Domestic Engagement

SECTION MODERATOR: Scott A. Leckman, MD, FACS, *Salt Lake City, UT*

Introduction

Michael E. Lekawa, MD, FACS, *Orange, CA*

Comments on Puerto Rico Project

Rafael Rodriguez-Mercado, MD, *San Juan, Puerto Rico*

Health Career Collaborative

Barry D. Mann, MD, FACS, *Wynnewood, PA*

Liana Gefter, MD, MPH, *Stanford, CA*

Session II: International Engagement

SECTION MODERATOR: Barbara Lee Bass, MD, FACS, FRCSEng(Hon), FRCSI(Hon), FCOSECSA(Hon), *Houston, TX*

Remarks on the College and International Engagement
Barbara Lee Bass, MD, FACS, FRCSEng(Hon), FRCSI(Hon), FCOSECSA(Hon), *Houston, TX*

The American College of Surgeons (ACS) and the College of Surgeons of East, Central, and Southern Africa (COSECSA) Surgical Training Hub Collaborative: Hawassa Pilot
Joseph V. Sakran, MD, MPH, MPA, FACS, *Baltimore, MD*

ACS-COSECSA Women Scholars Program:

Challenges and Needs

Abebe Bekele, MD, FACS, *Kigali, Rwanda*

Session III: Open Mic

SECTION MODERATOR: Girma Tefera, MD, FACS, *Madison, WI*

Representative: Physicians for Peace

Discussion and Comments

Sponsored by Operation Giving Back and the International Relations Committee

PS113 | 11:30 am-1:00 pm

You Treat Patients and Trainees Well: How about Yourself?

LOCATION: MS 154

TRACK(S): EDU, GEN, RES-MED

MODERATOR: Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

CO-MODERATOR: Barbara J. Pettitt, MD, FACS, *Atlanta, GA*

Surgeon burnout and the second victim phenomenon as consequences of a surgical misadventure have been increasingly recognized to be hazards for not only surgeons themselves, but also patients, hospitals and families. This session will discuss the anatomy of burnout, strategies to build resilience, and developing coping mechanisms. Maximizing these skills will create a healthy environment that enables post-traumatic growth for surgeons.

Audience Polling

Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

Surgeon Burnout Definition: Facts and Factors

Taylor S. Riall, MD, FACS, *Tucson, AZ*

Consequences of Surgeon Burnout

Sarkis H. Meterissian, MD, FACS, *Montreal, Quebec*

Mitigating Strategies for Surgeon Burnout

Barbara J. Pettitt, MD, FACS, *Atlanta, GA*

Leading Change

Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

Panel Discussion

Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

Sponsored by the Board of Governors Physician Competency and Health Workgroup and the Board of Governors Continuing Education Workgroup



PS114 | 2:30-4:00 pm

Current Strategies in Management of Small Bowel Obstruction

LOCATION: MS 205-208, 213-216

TRACK(S): CRS, GEN, RUS, TRA

MODERATOR: Kevin Pei, MD, FACS, *Lubbock, TX*

CO-MODERATOR: Martin D. Zielinski, MD, FACS, *Rochester, MN*

The current treatment of small bowel obstruction includes both operative and nonoperative management. This panel will discuss indications and timing for operative management, as well as other modalities in diagnosis and treatment, such as gastrografen and the role of imaging. Additionally, the role of minimally invasive surgery versus open management will be discussed.

Evidence-Based Management Guidelines Standardizing Small Bowel Obstruction (SBO) Management

Martin D. Zielinski, MD, FACS, *Rochester, MN*

Incongruities in Gastrografen Challenge Randomized Controlled Trials Results

Brandon R. Bruns, MD, FACS, *Baltimore, MD*

Laparoscopic vs. Open Approach to Small Bowel Obstruction

Kurt K. Rhynhart, MD, FACS, *Hopkinton, NH*

Sponsored by the Advisory Council for General Surgery and the Young Fellows Association

PS115 | 2:30-4:00 pm

Complex Abdominal Wall Hernias

LOCATION: MW Ballroom

TRACK(S): GEN, PLA, RUS, TRA

MODERATOR: Richard S. Miller, MD, FACS, *Nashville, TN*

CO-MODERATOR: Yuri W. Novitsky, MD, FACS, *New York, NY*

Recurrent and other complex abdominal wall hernias are a common problem. They are also difficult to repair with a high failure rate. New operative techniques, better meshes, and novel approaches are being used to improve the long-term outcomes.

Introduction to the Problem

Richard S. Miller, MD, FACS, *Nashville, TN*

Abdominal Wall Closure, Fascial Dehiscence/Necrosis Management

Oliver L. Gunter, MD, FACS, *Nashville, TN*

Temporary Abdominal Closures and Current Management of the Open Abdomen

Clay C. Burlew, MD, FACS, *Denver, CO*

Abdominal Wall Reconstruction Techniques

Yuri W. Novitsky, MD, FACS, *New York, NY*

Abdominal Wall Reconstruction in the Setting of an Enterocutaneous Fistula

Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*

Sponsored by the Advisory Council for General Surgery and the Committee on Trauma

PS116 | 2:30-4:00 pm**Parathyroidectomy for Primary Hyperparathyroidism: What's New?**

LOCATION: MS 301-302

TRACK(S): GEN, OTO

MODERATOR: Rebecca S. Sippel, MD, FACS, *Madison, WI*CO-MODERATOR: David J. Terris, MD, FACS, *Augusta, GA*

Because serum calcium levels are drawn frequently as part of routine blood work, primary hyperparathyroidism is being diagnosed more frequently and usually in relatively mild stages of the disease, including normocalcemic primary hyperparathyroidism and normal primary hyperparathyroidism (PTH). The subtleties of the work-up and diagnosis of primary hyperparathyroidism, especially the milder forms, can be challenging and the indications to offer an operation continue to broaden. Furthermore, the imaging options to localize hyperfunctioning glands and intraoperative strategies to identify the, often elusive, offending gland continue to increase. Finally, the literature supporting the benefits of curative surgery on bone health, nephrolithiasis, neurocognitive symptoms, and quality of life continues to expand. This multidisciplinary session will address each of these topics.

Nuances in the Diagnosis of Hyperparathyroidism
Kresimira M. Milas, MD, FACS, *Phoenix, AZ*

When Should We Operate on Primary Hyperparathyroidism?

Brendan C. Stack, MD, FACS, *Little Rock, AR*

Minimally Invasive vs. Bilateral Exploration: Lessons Learned after More Than 1500 Parathyroidectomies
David J. Terris, MD, FACS, *Augusta, GA*

Minimally Invasive vs. Bilateral Exploration: Lessons Learned after More Than 1500 Parathyroidectomies
Rebecca S. Sippel, MD, FACS, *Madison, WI*

What Are the Objective Benefits of Parathyroid Surgery?
Michael W. Yeh, MD, FACS, *Los Angeles, CA*

Long-Term Follow-Up after Successful Parathyroid Surgery—What Do We Tell Our Patients about the Risk of Recurrence?

Michael C. Singer, MD, FACS, FACE, *Detroit, MI*

Sponsored by the Advisory Council for General Surgery and the Advisory Council for Otolaryngology-Head and Neck Surgery

PS117 | 2:30-4:00 pm**Initiates Program: Strategies for Success in Surgery**

LOCATION: MS 159

TRACK(S): GEN

MODERATOR: Joshua M. Mammen, MD, PhD, FACS, *Leawood, KS*CO-MODERATOR: Rebecca Hoffman, MD, *St. Louis, MO*

The goal of this session is to warmly welcome new Initiates of the College to the Young Fellows Association as their home within the College. The panel will welcome Initiates to an amazing career, review the importance of belonging



to an organization, maintaining lifetime learning, and achieving work-life balance. It will also emphasize opportunities to get involved within the American College of Surgeons locally and nationally.

What Do My Senior Partners Expect of Me?

Hasan B. Alam, MBBS, FACS, *Ann Arbor, MI*

Top Ten Tips and Tricks from a (Relatively) Junior Faculty
Jamie J. Coleman, MD, FACS, *Denver, CO*

My Head Is Spinning! Organizational Tips and Tricks for Your New Role

Gregory D. Kennedy, MD, PhD, FACS, *Madison, WI*

Discussion with Panel

Rebecca Hoffman, MD, *St. Louis, MO*

Sponsored by the Young Fellows Association

PS118 | 2:30-4:00 pm**Clinical Trials in Personalized Medicine in Oncology**

LOCATION: MS 160

TRACK(S): CRS, GEN, ONC

MODERATOR: Flavio G. Rocha, MD, FACS, *Seattle, WA*CO-MODERATOR: Christina L. Roland, MD, MS, FACS, *Houston, TX*

Personalized medicine in oncology is the application of genomic and proteomic data to tailor a specific therapy to the patient's cancer. With the advent of rapid sequencing, mutational analysis has revealed potentially actionable targets that may provide a more effective and potentially less toxic treatment for malignancies. Conventional chemotherapy continues to be the backbone of therapy; novel therapeutics have been developed to exploit these genetic flaws. In breast, lung, melanoma, and gastrointestinal cancers, the implementation of combination and targeted agents has resulted in a renewed interest in applying these principles in the adjuvant and neoadjuvant space. This session will cover the emerging data from clinical trials across solid tumor types. Attendees will understand tumor genomic sequencing, potential targets, and agents under investigation.

Introduction to Personalized Oncology

Flavio G. Rocha, MD, FACS, *Seattle, WA*

Christina L. Roland, MD, MS, FACS, *Houston, TX*

Investigation of Profile-Related Evidence Determining Individualized Cancer Therapy (I PREDICT)

Jason K. Sicklick, MD, FACS, *La Jolla, CA*

Is There a Role for Precision Medicine for Patients with Pancreatic Cancer?

Susan Tsai, MD, MHS, FACS, *Milwaukee, WI*

Personalized Medicine in Thoracic Surgical Oncology Trials
Dennis A. Wigle, MD, PhD, FACS, *Rochester, MN*

Molecular Targets in Advanced Colorectal Cancer

Flavio G. Rocha, MD, FACS, *Seattle, WA*

Sponsored by the ACS Clinical Research Program Education Committee and the Scientific Forum Committee



PS119 | 2:30-4:00 pm**Telemedicine, Telehealth, and
Telemonitoring in Surgical Practice**

LOCATION: MS 152

TRACK(S): HUM, INFO, OPHTHO, RUS

MODERATOR: Paul A. Edwards, MD, FACS, *Detroit, MI*CO-MODERATOR: Susan Mosier, MD, FACS, *Manhattan, KS*

The panel will discuss the development of a telemedicine program. We will review some of our very successful ophthalmology programs, especially in the VA system. We will relate the value of this to rural surgery, as well as the relevance to busy inner-city hospital systems.

Introductions

Paul A. Edwards, MD, FACS, *Detroit, MI*Susan Mosier, MD, FACS, *Manhattan, KS*

The Digital Disruption of Academic Medicine:

Ending Bias, Borders and Disruption

Todd Ponsky, MD, FACS, *Cincinnati, OH*

State-Wide Pediatric Ophthalmology Telemedicine Project in Omaha

Donny W. Suh, MD, *Omaha, NE*Developing a Cardiac Surgery Telemedicine Project
Suzanne Richardson, MSN, HCSM, RN, *Charleston, SC*

Sponsored by the Advisory Council for Ophthalmic Surgery and the Health Information Technology Committee

PS120 | 2:30-4:00 pm**Agency for Healthcare Research and Quality
(AHRQ) Safety Program for Improving Surgical Care
and Recovery: What Can It Do for Your Patients?**

LOCATION: MS 306-308

TRACK(S): CRS, GEN

MODERATOR: Elizabeth C. Wick, MD, FACS, *San Francisco, CA*CO-MODERATOR: Clifford Y. Ko, MD, MS, MSHS, FACS, *Los Angeles, CA*

The American College of Surgeons, in partnership with the Agency for Healthcare Research and Quality, has developed the Improving Surgical Care and Recovery (ISCR) Program to support and connect hospitals implementing enhanced recovery (ERAS) across colorectal and orthopaedics. Participating hospitals that have achieved success with this approach to care have frequently moved to adopting the principles of patient-centered care, optimal nutrition, early mobility, multimodal analgesia, and best practices for preventable harms for all patients. In addition to describing enhanced recovery principles, this session will also highlight best practices for successful adoption. This session will share results of the collaborative opportunities and lessons learned with clear take homes for attendees to consider at their own institution.

Introduction

Elizabeth C. Wick, MD, FACS, *San Francisco, CA*

Improving Surgical Care and Recovery (ISCR) as a Tool to Achieve High-Value Surgical Care

Clifford Y. Ko, MD, MS, MSHS, FACS, *Los Angeles, CA*Using the ISCR Program to Implement Enhanced Recovery after Surgery (ERAS): The Surgeons Perspective
Benjamin C. DuBois, MD, FACS, *Texarkana, TX*

Surgical Site Infection (SSI) Prevention:

What Should Be in My ERAS Program?

Deborah Yokoe, MD, *San Francisco, CA*

Opioid Practices: What Should Be in My ERAS Program?

Please see addendum and Clinical Congress App.

Transforming Surgical Care Using ERAS:

The Kaiser Experience

Derrick C. Lee, MD, *San Francisco, CA*

Improving Surgical Care and Recovery: What Have We Learned about ERAS in the U.S.?

Elizabeth C. Wick, MD, FACS, *San Francisco, CA*

Sponsored by the Division of Research and Optimal Patient Care

PS121 | 2:30-5:45 pm**Multidisciplinary Management of Surgical
Problems in the Pregnant Patient**

LOCATION: MW 2002-2004

TRACK(S): CRS, GEN, OBG, RUS, TRA

MODERATOR: Alan D. Garely, MD, FACS, *Valley Stream, NY*CO-MODERATOR: Ali Salim, MD, FACS, *Boston, MA*

The pregnant patient represents a common clinical challenge. This panel will cover common issues presenting to surgeons in pregnancy. It will cover trauma, colorectal issues, pelvic masses, pelvic infections, surgical emergencies, urologic problems, and back pain. It crosses specialties with obstetrics and gynecology, trauma and general surgery, and colorectal surgery and orthopaedics.

Introduction

Alan D. Garely, MD, FACS, *Valley Stream, NY*Ali Salim, MD, FACS, *Boston, MA*

Appropriate Imaging Modalities in the Pregnant Patient with Surgical problems

Simin Bahrami, MD, *Marina Del Rey, CA*

Trauma in the Pregnant Patient

Carlos V. Brown, MD, FACS, *Austin, TX*

General Surgery Emergencies in the Pregnant Patient

Matthew J. Martin, MD, FACS, FASMB, *San Diego, CA*

Management of Breast Cancer and Other Oncologic Issues in the Pregnant Patient

Farin Amersi, MD, FACS, *Westchester, CA*

The Management of Colorectal Issues in the Pregnant Patient

Scott R. Steele, MD, FACS, *Shaker Heights, OH*

The Maternal Fetal Medicine Perspective on Surgical Problems in the Pregnant Patient

Yair Blumenfeld, MD, *Stanford, CA*

Closing/Wrap-Up

Alan D. Garely, MD, FACS, *Valley Stream, NY*

Sponsored by the Advisory Council for Gynecology and Obstetrics and the Advisory Council for General Surgery



PS122 | 2:30-5:45 pm**Latin America Day (Spanish): Dia Hispano Frente Ecumenico Latinoamericano Caribeño (FELAC): Fantasia o Realidad?**

LOCATION: MW 2006-2008

TRACK(S): GEN, INT

MODERATOR: Natan Zundel, MD, FACS,
*North Miami Beach, FL*CO-MODERATOR: David A. Ortega Checa, MD, FACS,
*Lima, Peru*CO-MODERATOR: Lilian Torregrosa, MD, FACS,
Bogota, Colombia

Experts from all over the Americas will present updates in different aspects of general surgery from high voltage injuries, to duodenal and common bile duct (CBD) complex procedures. Topics will include updates in trauma, oncologic procedures, and bariatric and metabolic interventions. Also, the latest information in mini-laparoscopy and robotics will be discussed. Every topic will be presented by an expert. The audience will be able to participate in discussion at the end of presentations.

Welcome and IntroductionDavid A. Ortega Checa, MD, FACS, *Lima Peru*Natan Zundel, MD, FACS, *North Miami Beach, FL*
Reparo Hernia Ventral: Se Puede Evitar la Recidiva
 Diego R. Camacho, MD, FACS, *Bronx, NY*
Enfermedad Benigna del Esófago: La Endoscopia Acabo con Los Procedimientos Quirúrgicos
 E. Fernando Elli, MD, FACS, *Chicago, IL*
Cancer Esofagico: Ni la Cirugia Abierta ni la MI Pueden Competir con la Robotica
 Rubens A. Sallum, MD, PhD, *Sao Paulo, Brazil*
Se Puede Evitar Completamente ERGE Despues de la Cirugia Bariátrica
 Camillo Boza, MD, *Santiago, Chile*
Cirugia de Colon: Adios Laparoscopia, Bienvenida Robotica
 Eduardo Parra-Davila, MD, FACS, *Celebration, FL*
Ya no hay Tiempo para Mentorías ni Buena Educacion Quirúrgica
 Elena L. Gavito, MD, FACS, *Mazatlan, Mexico*
Ciencia y Arte en la Cirugía
 Hernando Abaunza Orjuela, MD, FACS(Hon), *Bogota, Colombia*
Sponsored by the Federacion Latinoamericana de Cirugia and the Division of Education
PS123 | 4:15-5:45 pm**Antibiotics for Appendicitis? No Consensus Yet**

LOCATION: MS 303-304

TRACK(S): GEN, PED, RUS, TRA

MODERATOR: David R. Flum, MD, FACS, *Seattle, WA*CO-MODERATOR: Rebecca C. Britt, MD, FACS, *Norfolk, VA*

There is widespread controversy over appropriate patient selection for nonoperative treatment of appendicitis.

There is little agreement as to the long-term success of nonoperative treatment of appendicitis, despite several years of experience. This panel will analyze the available data and discuss appropriate patient selection in the pros and cons of operative versus nonoperative treatment.

IntroductionDavid R. Flum, MD, FACS, *Seattle, WA*
A Review of the Current Evidence Supporting the Use of Antibiotics in Adults
 Rebecca C. Britt, MD, FACS, *Norfolk, VA*
A Review of the Evidence Gaps and Limitation of the Evidence Base for Antibiotics
 Dionne A. Skeete, MD, FACS, *Iowa City, IA*
Comparison of Outcomes of Drugs and Appendectomy (CODA) Trial Rationale and Status Update
 Giana H. Davidson, MD, FACS, *Seattle, WA*
Imagining a Future with Antibiotics as an Alternative Treatment
Hasan B. Alam, MBBS, FACS, *Ann Arbor, MI***Questions and Answers**David R. Flum, MD, FACS, *Seattle, WA**Sponsored by the Advisory Council for General Surgery***PS124** | 4:15-5:45 pm**Preventing Incisional Hernias:****Do We Need Mesh or Better Surgical Skills?**

LOCATION: MW Ballroom

TRACK(S): CRS, GEN, PLA, RUS, TRA

MODERATOR: Ajita S. Prabhu, MD, FACS, *Pepper Pike, OH*CO-MODERATOR: Benjamin K. Poulouse, MD, MPH, FACS,
Columbus, OH

Incisional hernias are the dirty little secrets of laparotomies. Incidence as high as 40 percent after midline laparotomy have been commonly reported. Can incisional (and peristomal) hernias be prevented?

What Contributes to Hernia Formation at the Time of Laparotomy?
Heidi J. Miller, MD, MPH, FACS, *Albuquerque, NM*
What Is the Proper Technique to Close a Primary Laparotomy?
Eric M. Pauli, MD, FACS, FASGE, *Hershey, PA*
How Can We Effectively Incorporate Proper Fascial Closure Technique into General Surgery Residency?
 Jacob A. Greenberg, MD, FACS, *Madison, WI*
Is There a Role for Prophylactic Mesh?**What Does the Data Show?**Arielle J. Perez, MD, MPH, MS, *Chapel Hill, NC***Is Prophylactic Mesh Truly Benign?**David M. Krpata, MD, *Brecksville, OH**Sponsored by the Advisory Council for General Surgery*

PS125 | 4:15-5:45 pm**Dealing with the Impaired Physician:
What to Do When It Is Your Trainee or Your Partner?**

LOCATION: MS 159

TRACK(S): GEN

MODERATOR: Shima C. Fitzgibbons, MD, FACS,
*Washington, DC*CO-MODERATOR: Jennifer N. Choi, MD, FACS, *Indianapolis, IN*

Surgeons can face the challenge of being able to identify impairment in their colleagues and, most importantly, in themselves. In many cases, substance abuse problems can remain undetected for several years before being brought to attention and before treatment is undertaken. Impaired physicians can usually function at an adequate level until their problem becomes more advanced and their ability to care for their patients deteriorates. This session will focus on early recognition, prevention, and strategies to deal with the impaired surgeon.

Introduction to Dealing with the Impaired Physician
Shima C. Fitzgibbons, MD, FACS, *Washington, DC*

Recognizing the Problem: Identifying the Impaired Physician
Krista L. Kaups, MD, MSc, FACS, *Fresno, CA*

What Happens Next? How We Intervene
Tracy R. Zemansky, PhD, *Santa Monica, CA*

Reintegration: How Do We Get Back to Work?
Lisa M. Boyle, MD, FACS, *Washington, DC*

Open Discussion

Jennifer N. Choi, MD, FACS, *Indianapolis, IN*

Sponsored by the Young Fellows Association

PS126 | 4:15-5:45 pm**Facial Nerve Injury and Repair**

LOCATION: MS 205-208, 213-216

TRACK(S): NEU, OTO, PLA, TRA

MODERATOR: Philip D. Knott, MD, FACS, *San Francisco, CA*CO-MODERATOR: Mitchel Seruya, MD, *Los Angeles, CA*

The facial nerve is a critical nerve for animation and mastication. Injury to the facial nerve occurs through trauma or intentionally during salivary or skin cancer resection. Providing a patient with successful outcomes begins with accurate diagnosis, prognostication, and intervention. In this session, panelists will discuss different etiologies of facial nerve injury from the skull base, temporal bone, and peripheral nerve. Prognostication through electronic testing (EMG, ENOG) will be discussed. Timing of repair of injuries and state-of-the-art nerve repair and crossover grafting will be presented. Adequate time will be allotted for audience questions and interaction.

Introduction

Philip D. Knott, MD, FACS, *San Francisco, CA*

Diagnosis and Pathophysiology of Facial Nerve Injury and Repair

Rahul Seth, MD, *San Francisco, CA*

Best Timing and Options for Reinnervation

Michael Klebuc, MD, *Houston, TX*

When to Use Neuromuscular Flaps

Taha Z. Shipchandler, MD, FACS, *Indianapolis, IN*

Management of Synkinesis

Nathan T. P. Jowett, MD, *Toronto, ON*

*Sponsored by the Advisory Council for
Otolaryngology-Head and Neck Surgery*

PS127 | 4:15-5:45 pm**Current Trends in Treatment of
Congenital Diaphragmatic Hernia (CDH)**

LOCATION: MS 301-302

TRACK(S): PED

MODERATOR: Terry Buchmiller, MD, FACS, *Boston, MA*CO-MODERATOR: Pramod S. Puligandla, MD, FACS,
Montreal, Quebec

This panel discussion addressing new techniques and strategies for the care of infants with congenital diaphragmatic hernia. The panel will discuss surgical interventions concerning timing of repair, minimally invasive techniques, and repair on or off extracorporeal life support. They will also address long-term outcomes to encompass transition to adult care and the current status of prenatal interventions for this anomaly. This session will interest pediatric surgeons and those in general surgery practice who care for these children as they enter adulthood.

Introductions

Terry Buchmiller, MD, FACS, *Boston, MA*

Pramod S. Puligandla, MD, FACS, *Montreal, Quebec*

Prenatal Assessment and Intervention

Shinjiro Hirose, MD, FACS, *Sacramento, CA*

Surgical Repair

Erik D. Skarsgard, MD, FACS, *Vancouver, BC*

Outpatient Follow-Up Models

Matthew T. Harting, MD, FACS, *Houston, TX*

Transition to Adult Care

Priscilla P. Chiu, MD, PhD, FACS, *Toronto, ON*

Sponsored by the Advisory Council for Pediatric Surgery

PS128 | 4:15-5:45 pm**Dealing with the Difficult Patient:
Survival Strategies**

LOCATION: MS 160

TRACK(S): EDU, ETH, GEN

MODERATOR: Annesley W. Copeland, MD, FACS,
*Washington, DC*CO-MODERATOR: Jamie J. Coleman, MD, FACS, *Denver, CO*

Up to 15 percent of patient-physician encounters are rated as difficult by the physicians involved and may include angry, frightened, or resistant patients, manipulative patients, non-compliant patients, and frequent fliers. Certain characteristics can create circumstances in which surgeons materially contribute to or are responsible for the difficulties. Situational issues, such as language barriers, cross-cultural

issues, and the need to relay bad news can also make for challenging encounters. In this panel session, we present some common scenarios that surgeons may encounter in their practice with difficult patients (and their families), along with practical strategies for handling them from two experts in conflict management.

The Difficult Patient: The Angry, Belligerent, (Physically Violent) Patient

Mary E. Klingensmith, MD, FACS, *St. Louis, MO*

The Difficult Patient: "God Will Heal My Child"

Celeste M. Hollands, MD, FACS, *Lubbock, TX*

The Difficult Patient: The Vasculopath Who Refuses to Quit Smoking

Melina R. Kibbe, MD, FACS, FAHA, *Chapel Hill, NC*

The Difficult Patient: Body Dysmorphia

Mary H. McGrath, MD, MPH, FACS, *San Francisco, CA*

The Difficult Patient: How to Improve Communication

Andrew L. Parker, PhD, *San Francisco, CA*

The Difficult Patient: The Risk Management Perspective

Susan Penney, JD, *San Francisco, CA*

Sponsored by the Committee on Ethics and the Women in Surgery Committee

PS129 | 4:15-5:45 pm

Surgeons Treating Chronic Wounds: Let's Go beyond Debridement



LOCATION: MS 154

TRACK(S): EDU, GEN, PLA, TRA, VAS

MODERATOR: Gayle M. Gordillo, MD, FACS, *Indianapolis, IN*

CO-MODERATOR: John M. Daly, MD, FACS, FRCSI(Hon), FRCSG(Hon), *Philadelphia, PA*

It is estimated that 60 percent of wounds managed in the home are surgical. Many of these become non-healing wounds resulting in 5 to 7 million health care visits annually. Despite the complexity, the average physician in training receives less than 10 hours of formal education related to wound care. This program will focus on the prevention and care of perioperative pressure injuries, diabetic foot ulcers, venous stasis ulcers and lymphedema, skin tears, burns, and large abdominal wall reconstructions. Topics will include the appropriate use of negative pressure wound therapy, hyperbaric oxygen, maggots, and antimicrobials; text messaging for surveillance of wound progress/problems; importance of debridement (sharp, mechanical, enzymatic or biologic methods); and use of the American College of Surgeons Home Wound Management skills program in the transition to home for patients/caregivers.

Opening Remarks

Gayle M. Gordillo, MD, FACS, *Indianapolis, IN*

John M. Daly, MD, FACS, FRCSI(Hon), FRCSG(Hon), *Philadelphia, PA*

From Maggots to Steel, Debridement Is the Foundation to Heal

Lisa J. Gould, MD, PhD, FACS, *Warwick, RI*

Management of the Broken Abdominal Wall: Flaps, Mesh, and Vacs: How Does One Choose?

Eric G. Weiss, MD, FACS, *Weston, FL*

Commonly Used Free Flaps for Coverage of Difficult Wounds

Sameer A. Patel, MD, FACS, *Jenkintown, PA*

Lurching toward Telepresence for the Wound/Burn/Soft-Tissue Specialist-Consultant: Patient to Specialist and Referring Provider to Specialist

James C. Jeng, MD, FACS, *Upland, PA*

Now the Wound Needs to Heal at Home; Can We Help?

John M. Daly, MD, FACS, FRCSI(Hon), FRCSG(Hon), *Philadelphia, PA*

Sponsored by the Advisory Council for Plastic and Maxillo-facial Surgery and the Patient Education Committee

PS130 | 4:15-5:45 pm

Hot Topics in Endocrine Surgery



LOCATION: MN 23

TRACK(S): GEN, OTO

MODERATOR: Michael W. Yeh, MD, FACS, *Los Angeles, CA*

CO-MODERATOR: Gregory W. Randolph, MD, FACS, FACE, *Boston, MA*

Controversies in various areas of endocrine surgery persist. This case-based panel discussion will focus on several of these hot topic areas, including: primary hyperparathyroidism: who to operate on and what approach; thyroid nodules and cancer: when to re-operate and extent of surgery; and adrenal tumors: when to operate and with what approach.

What Imaging Studies to Get and What to Do When They Are Negative

David C. Shonka, MD, FACS, *Charlottesville, VA*

Managing Variants of Primary Hyperparathyroidism: Normocalcemic and Normohormonal Primary Hyperparathyroidism

Carrie C. Lubitz, MD, FACS, *Boston, MA*

Evaluating the Percutaneous Transhepatic Cholangiography (PTC) Patient to Determine Extent of Surgery—When a Lobe, When a Total, and When Invasive Disease Requires Cartilage Resection

Joseph Scharpf, MD, FACS, *Chagrin Falls, OH*

Managing Small Thyroid Cancer Recurrences:

When to Operate, When to Observe

Angela M. Leung, MD, MSc, *Los Angeles, CA*

Should Adrenal Surgery Be Regionalized?

Maureen M. Tedesco, MD, FACS, *Santa Clara, CA*

Through the Front or through the Back: Optimal

Approaches for Endoscopic Adrenalectomy

James A. Lee, MD, FACS, *New York, NY*

Sponsored by the Advisory Council for Otolaryngology-Head and Neck Surgery and the Advisory Council for General Surgery

Tuesday, October 29

PS202 | 8:00-9:30 am

Current Management of Upper Gastrointestinal (GI) Bleeding: The Role of Surgery, Endoscopy, and Interventional Radiology



LOCATION: MW 2006-2008

TRACK(S): GEN, RUS, TRA

MODERATOR: Mayur Narayan, MD, MPH, MBA, MHPE, FACS, New York, NY

CO-MODERATOR: Jimmie N. Collins, MD, FACS, Norfolk, VA

Upper gastrointestinal (GI) bleeding is commonly managed in a multidisciplinary fashion, including interventional radiology, endoscopy, and surgery. This panel will explore the role each of these entities plays in the management of upper GI bleeding. This session will also discuss which patients should undergo operative management, as well as the timing of operation and procedural choices.

UGI (Upper Gastrointestinal) Bleeds: Never Fear, GI Is Here
Hari Conjeevaram, MD, Ann Arbor, MI

UGI Bleeds: When Push Comes to Shove, the Solution Starts with the Wire
Resmi Charalel, MD, New York, NY

UGI Bleeds: Surgeon as Definitive Manager or Benchwarmer?

Amy P. Rushing, MD, FACS, Columbus, OH

Sponsored by the Advisory Council for General Surgery and the Bariatric Advisory Committee

PS203 | 8:00-9:30 am

No Woman No Care: The Case to Incorporate Women into the Global Surgery Workforce



LOCATION: MS 154

TRACK(S): HUM, INT

MODERATOR: Sherry M. Wren, MD, FACS, Palo Alto, CA

CO-MODERATOR: Susan E. Pories, MD, FACS, Cambridge, MA

Globally there is a substantial deficit in the surgical workforce leaving an estimated 5 billion people without access to safe surgery. The workforce must double within the next 15 years to address this gap—a goal that is currently unreachable. Gender disparities in education and societal expectations often prevent/discourage women from entering the surgical workforce. Surprisingly even the U.S., United Kingdom, and Japan women make up less than 10 percent of surgeons and numbers are even lower in LMICs (low- and middle-income countries). This is in contrast to increased women's enrollment into medical school, which even exceeds male enrollment in some countries. This panel will explore strategies to improve gender equity and thereby the pipeline for women into surgical fields. Without these changes national health goals are unattainable.

Introduction

Sherry M. Wren, MD, FACS, Palo Alto, CA

Gender Equity: The Key to Sustainable Health Care
Hilary A. Sanfey, MB, BCh, FACS, Springfield, IL

Barriers and Challenges to Gender Equity in Surgery
Hiba Abdel Aziz, MBBCh, FACS, Doha, Qatar

Global Institutions Leading Change: Malaysia
April C. Roslani, MBBCh, Kuala Lumpur, Malaysia

Global Institutions Leading Change: College of Surgeons of East, Central, and Southern Africa
Abebe Bekele, MD, FACS, Kigali, Rwanda

Global Institutions Leading Change: Royal College of Surgeons in Ireland
Deborah McNamara, MD, MB, BAO, BCh(Hon), FRCSI, Beaumont, Ireland

Summary and Questions and Answers
Susan E. Pories, MD, FACS, Cambridge, MA

Sponsored by Operation Giving Back and the Women in Surgery Committee

PS204 | 8:00-9:30 am

Current Options in the Management of Hemodialysis Access



LOCATION: MS 301-302

TRACK(S): GEN, VAS

MODERATOR: Robyn A. Macsata, MD, FACS, Washington, DC

CO-MODERATOR: Karen Woo, MD, FACS, Los Angeles, CA

This session will review both basic and complex hemodialysis access including the initial assessment and access planning for patients not yet on dialysis, intraoperative techniques, recognition and management of the failing access, and the role of surveillance strategies. The session will also discuss the broad range of endovascular and hybrid solutions that are currently available including angioplasty with drug-coated balloons and stents, management of central venous stenosis, and the use of the Hero catheter. Selection of conduit in the setting of inadequate veins and the use of balloon-assisted maturation will be included. This session is appropriate for surgeons just beginning an access practice, as well as surgeons with significant experience. There will also be emphasis on technical nuance and intraoperative techniques.

Strategic Planning of Arteriovenous (AV) Access
Peter R. Nelson, MD, MS, FACS, Tulsa, OK

Management of the Non-Maturing Access
Elina Quiroga, MD, MPH, Mercer Island, WA

Management of Central Venous Stenosis
Ellen D. Dillavou, MD, FACS, Durham, NC

Management of the Failing Access
Manuel Garcia Toca, MD, FACS, Palo Alto, CA

Non-Thrombotic Complications of AV Access
Sherene Shalhub, MD, MPH, Seattle, WA

Sponsored by the Advisory Council for Vascular Surgery

PS205 | 8:00-9:30 am**SESAP 17® Advanced: Previews to Sharpen Your Practice**

LOCATION: MW 2002-2004

TRACK(S): BTR, EDU, GEN, RUS

MODERATOR: John A. Weigelt, MD, DVM, FACS, *Lead, SD*CO-MODERATOR: Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*

Practicing surgeons prefer Continuing Medical Education and self-assessment tools that are tailored to their practices, yet a scarcity of robust, peer-reviewed programs exists for many areas. To address this gap, in 2020 the American College of Surgeon's Division of Education will debut the first advanced edition of *Surgical Education and Self-Assessment Program (SESAP®)*. *SESAP 17 Advanced* was developed by 54 expert surgeons with the same rigor as the comprehensive *SESAP*, which has been unparalleled in quality during its 48-year legacy. In this Panel Session, *SESAP's* medical director and a panel of authors will discuss the necessity and utility of *SESAP 17 Advanced*; preview content across specialties such as alimentary, breast, critical care, endocrine, and trauma; and discuss its applicability to clinical practice.

Introduction of *SESAP 17 Advanced*Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*John A. Weigelt, MD, DVM, FACS, *Lead, SD**SESAP 17 Advanced: Breast*John T. Vetto, MD, FACS, *Portland, OR**SESAP 17 Advanced: Endocrine*Lorrie A. Langdale, MD, FACS, *Seattle, WA**SESAP 17 Advanced: Alimentary Tract and Abdomen*Jason B. Fleming, MD, FACS, *Tampa, FL**SESAP 17 Advanced: Critical Care*Lena M. Napolitano, MD, FACS, *Ann Arbor, MI**SESAP 17 Advanced: Trauma*Jeffrey G. Chipman, MD, FACS, *Minneapolis, MN**Sponsored by the Advisory Committee for SESAP***PS206** | 8:00-9:30 am**Button Batteries and Magnets: Ingestion of Foreign Bodies**

LOCATION: MS 205-208, 213-216

TRACK(S): OTO, PED, RUS, TRA

MODERATOR: Ian N. Jacobs, MD, FACS, *Philadelphia, PA*CO-MODERATOR: Deborah F. Billmire, MD, FACS, *Indianapolis, IN*

Pediatric airway and esophageal foreign body aspiration/ingestion is still a common problem across the globe. In this session, experts will share their experience with managing critical and noncritical scenarios for aerodigestive foreign bodies. Emphasis will be placed on epidemiology, diagnostic considerations, equipment planning, anesthesia techniques, and surgical techniques which may optimize outcomes. Time will also be spent on highlighting the aggressive nature of caustic ingestion and button battery

aspiration which require special treatment. Adequate time will be allotted for audience questions and interaction.

Disastrous Magnetism: The Woes of Magnet Ingestion
Elizabeth A. Beierle, MD, FACS, *Birmingham, AL*

Time Is of the Essence: Expedient Evaluation of Button Battery Ingestions

Robert T. Russell, MD, MPH, FACS, *Birmingham, AL*

Mitigation Strategies for Button Battery Ingestions: Before and after Removal

Kris R. Jatana, MD, FACS, *Columbus, OH*

Please see addendum and Clinical Congress App.

Keith Rhoades, *Downers Grove, IL*

Please see addendum and Clinical Congress App.

Melissa Fensterstock, MBA, MPhil, *New York, NY*

Sponsored by the Advisory Council for Otolaryngology-Head and Neck Surgery and the Advisory Council for Pediatric Surgery

PS207 | 8:00-9:30 am**Management of Peritoneal Malignancies: Emerging Data in Heated Intraperitoneal Chemotherapy (HIPEC) and Other Strategies**

LOCATION: MS 158

TRACK(S): CRS, ONC, PED

MODERATOR: Garrett M. Nash, MD, FACS, *New York, NY*CO-MODERATOR: Rebecca A. Snyder, MD, MPH, *Greenville, NC*

A number of recent international randomized controlled trials have investigated the efficacy of cytoreductive surgery (CRS) and heated intraperitoneal chemotherapy (HIPEC) in the treatment of peritoneal malignancies. Recent trials have demonstrated a benefit of CRS HIPEC in patients with ovarian cancer, and several highly anticipated trials are expected to report results in colorectal and gastric cancer in 2018. Based on this emerging data, CRS HIPEC results in improved long-term outcomes in select patients with peritoneal carcinomatosis who have traditionally been managed nonoperatively. This session will provide an update to the surgical community regarding which patients should be referred and considered for CRS HIPEC, with a focus on appropriate patient selection, sequencing of multimodality therapy, and long-term patient outcomes. The session will conclude with a case-based panel discussion.

Role of HIPEC in Colorectal Cancer: Pro
Olivier Glehen, MD, *Pierre Benite, France*

Role of HIPEC in Colorectal Cancer: Con
H. Richard Alexander, MD, FACS, *New Brunswick, NJ*

Role of HIPEC in Gastric Cancer
Brian D. Badgwell, MD, FACS, *Houston, TX*

Role of HIPEC for Ovarian Cancer
Oliver Zivanovic, MD, *New York, NY*

Sponsored by the ACS Clinical Research Program Education Committee

PS208 | 8:00-11:15 am**Spectacular Cases**

LOCATION: MN 25

TRACK(S): GEN, RES-MED, RUS, TRA

MODERATOR: Juan C. Paramo, MD, FACS, *Miami Beach, FL*CO-MODERATOR: Mark T. Savarise, MD, FACS, *South Jordan, UT*

Observe expert panel members discuss M and M (Morbidity and Mortality) -style case management of seven impressive, multidisciplinary cases.

EXPERT PANELISTS

Sharmila Dissanaik, MD, FACS, FCCM, *Lubbock, TX*David V. Feliciano, MD, FACS, *Baltimore, MD*Kenneth W. Sharp, MD, FACS, *Nashville, TN*Leigh A. Neumayer, MD, MS, FACS, *Tucson, AZ*

Introductions

Mark T. Savarise, MD, FACS, *South Jordan, UT*Juan C. Paramo, MD, FACS, *Miami Beach, FL*

Hyperbilirubinemia of Unknown Etiology

Ghaith Al Qudah, MBBS, *Saginaw, MI*

A Sleeve Leak Like No Other

Ryan Clark, MD, *Seattle, WA*

Minimally Invasive Multidisciplinary Approach in a

Case of Chronic Giant Inguinoscrotal Hernia

Zachary Sanford, MD, *Annapolis, MD*

Pedestrian vs. Train: A Fight Against the Odds

Dooniya Shaikh, MD, *Westbury, NY*

Damage Control and Thoracoabdominal Hernia Repair

for Esophagectomy Complicated by Aortic Laceration

Steve Siegal, MD, *Portland, OR*

A Case of Complicated Chronic Cholelithiasis

May Tee, MD, *West Des Moines, IA*

Holy Cow... He Survived That!

Tiffany Zens, MD, *Madison, WI**Sponsored by the Resident and Associate Society***PS201 | 9:45-11:15 am****Optimizing Outcomes of Rectal Cancer in 2019**

LOCATION: MW 3014-3018

TRACK(S): CRS, GEN, ONC

MODERATOR: Steven D. Wexner, MD, PhD(Hon), FACS,

FRCSEng, FRCSEd, FRCSI(Hon), FRCSGlasg(Hon), *Weston, FL*CO-MODERATOR: Arden M. Morris, MD, MPH, FACS, *Stanford, CA*

Management of rectal cancer is becoming increasingly challenging with growing options for local management and nonoperative management of patients after neoadjuvant chemoradiotherapy with complete clinical response. This panel will provide an update on the rapidly changing landscape of rectal cancer management.

Introduction

Steven D. Wexner, MD, PhD(Hon), FACS, FRCSEng,

FRCSEd, FRCSI(Hon), FRCSGlasg(Hon), *Weston, FL*Arden M. Morris, MD, MPH, FACS, *Stanford, CA*

The Value of the American College of Surgeons Commission on Cancer National Accreditation Program for Rectal Cancer Accreditation

Heidi Nelson, MD, FACS, *Chicago, IL*

Should Adjuvant Chemotherapy Be Replaced by Neoadjuvant Therapy?

George J. Chang, MD, FACS, *Houston, TX*

The Rationale and Current Status of Wait and Watch after Complete Response

Julio E. Garcia-Aguilar, MD, FACS, *New York, NY*

How Collaboratives Improve Rectal Cancer Care

Samantha K. Hendren, MD, FACS, *Ann Arbor, MI*

Sponsored by the Advisory Council for Colon and Rectal Surgery and the Advisory Council for General Surgery

PS209 | 9:45-11:15 am**Gastric and Gastroesophageal Junction Cancer: Latest Advances**

LOCATION: MS 205-208, 213-216

TRACK(S): CRS, GEN, ONC

MODERATOR: Alexander A. Parikh, MD, MPH, FACS, *Greenville, NC*CO-MODERATOR: Wayne L. Hofstetter, MD, FACS, *Houston, TX*

Gastric and gastroesophageal cancers are a global problem and there have been advances in treatment in the past few years. The topics to be addressed in this session will include the methods of evaluation and imaging, the proper use of neoadjuvant therapy, and controversies in the extent of resection and lymphadenectomy.

Introduction

Alexander A. Parikh, MD, MPH, FACS, *Greenville, NC*Wayne L. Hofstetter, MD, FACS, *Houston, TX*

Preoperative Chemoradiation Should Be Recommended for All Proximal Gastric and Esophagogastric (EG)

Junction Tumors

Michael O. Meyers, MD, FACS, *Chapel Hill, NC*

Chemoradiation Is Not Needed for Proximal Gastric and EG Junction Tumors

Waddah B. Al-Refaie, MD, FACS, *Washington, DC*

Thoracic vs. Abdominal Approach for Proximal Gastric and EG Junction Tumors

Naruhiko Ikoma, MD, *Houston, TX*

Sponsored by the Advisory Council for General Surgery and the Commission on Cancer

PS210 | 9:45-11:15 am**Laparoscopic Common Bile Duct Exploration: When and How?**

LOCATION: MW Ballroom

TRACK(S): GEN, RUS, TRA

MODERATOR: Eric S. Hungness, MD, FACS, *Chicago, IL*CO-MODERATOR: Lauren Smithson, MD, FACS, *St. Anthony, Newfoundland*

Laparoscopic common bile duct exploration (LCBDE) may be the best option for your patient with choledocholithiasis, especially if you practice in a setting where advanced

ERCP (endoscopic retrograde cholangiopancreatography) services are not readily available. There are, however, various techniques and instrumentation to consider and each surgeon will need to adapt and prepare for LCBDE to suit their own operating theatre, imaging capabilities, and personnel. This panel will clearly delineate the essential technical components and requirements for LCBDE. Tips and tricks, ways to avoid pitfalls, and a discussion of the limitations of LCBDE will be addressed. This session will be of interest to residents, students, and surgeons with limited or no prior experience with LCBDE.

Introduction

Eric S. Hungness, MD, FACS, *Chicago, IL*

Lauren Smithson, MD, FACS, *St. Anthony, Newfoundland*

LCBDE: When, Why, and How to Integrate into Practice

Dennis Y. Kim, MD, FACS, *Torrance, CA*

Transcystic Approach and Training

Ezra N. Teitelbaum, MD, MEd, *Chicago, IL*

Transcholedochal Approach and Difficult Cases

Byron F. Santos, MD, *Lebanon, NH*

LCBDE: A Rural Surgeon's Perspective

Howard R. Kirkpatrick, MD, FACS, *Huntsville, Ontario*

Sponsored by the Advisory Council for Rural Surgery and the Advisory Council for General Surgery

PS211 | 9:45-11:15 am

Multifaceted Approach to Humanitarian Medical Outreach and Capacity Building: Low-and Middle-Income Countries



LOCATION: MW 2002-2004

TRACK(S): HUM, PLA

MODERATOR: Shahid R. Aziz, DMD, MD, FACS, FRCSEd, *Newark, NJ*

CO-MODERATOR: Arun K. Gosain, MD, FACS, *Chicago, IL*

CO-MODERATOR: Steven M. Roser, DMD, MD, FACS, *Atlanta, GA*

The development and standardization of best practices that focus on the highest quality of care, efficiency, cost effectiveness, and optimal delivery will drive better outcomes and expand care to far more individuals in need around the world.

Operation Smile

William P. Magee, MD, FACS, *Norfolk, VA*

Global Surgery Fellowship

Eugene Park, MD, *Los Angeles, CA*

Operation Giving Back

Fiemu E. Nwariaku, MBBS, FACS, *Dallas, TX*

G4 Alliance

Fizan Abdullah, MD, PhD, *Chicago, IL*

Sponsored by the International Relations Committee and Operation Giving Back and the Advisory Council for Oral and Maxillofacial Surgery

PS212 | 9:45-11:15 am

Antibiotic Stewardship: A Professional Responsibility



LOCATION: MW 2006-2008

TRACK(S): GEN, TRA

MODERATOR: Addison K. May, MD, MBA, FACS, *Charlotte, NC*

CO-MODERATOR: E. Woodrow Hunt, MD, FACS, *La Jolla, CA*

Antibiotic resistance is a leading public health threat particularly in organisms resistant to agents of last resort and present unique challenges in surgical practice. While most prescribing practices follow appropriate guidelines, research suggests that surgical antibiotic misuse in surgical conditions is common and contribute to the emergence and spread of resistant bacteria. Antibiotic stewardship programs play an important role in optimal patient care and considerable opportunities exist for surgeons to embrace these efforts. Surgeon engagement is crucial to the success of these programs and is a professional obligation. This Panel Session discusses the scope of antibiotic misuse in surgical patients and reviews practice opportunities in antibiotic stewardship using evidence-based guidelines.

Introductions

Addison K. May, MD, MBA, FACS, *Charlotte, NC*

Consequences of Current Surgical Antimicrobial Practice

Addison K. May, MD, MBA, FACS, *Charlotte, NC*

Surgical Prophylaxis: What Is Right?

Kamal Itani, MD, FACS, *Boston, MA*

Stewardship and Common Therapeutic Indications in Surgery

John Mazuski, MD, PhD, FACS, *St. Louis, MO*

Creating a Stewardship Program within the Surgeon's Realm

Therese Duane, MD, FACS, *Keller, TX*

Panel and Audience Discussion

Addison K. May, MD, MBA, FACS, *Charlotte, NC*

Sponsored by the Committee on Perioperative Care

PS213 | 9:45-11:15 am

Tangibles of Teaching: How Medical Student Education Can Enhance Your Practice



LOCATION: MS 158

TRACK(S): CTS, GEN, RES-MED, RUS

MODERATOR: Susan Steinemann, MD, FACS, *Honolulu, HI*

CO-MODERATOR: Andre R. Campbell, MD, FACS, *San Francisco, CA*

Teaching medical students may be perceived as an altruistic, and perhaps costly, endeavor for surgeons. However, there are tangible benefits to be realized from incorporating medical student education into a surgical practice. Recent changes from the Centers for Medicare and Medicaid Services (CMS) have increased the ability of teaching physicians to use student documentation for billable services. Students can enhance the patient experience. Students can perform useful clinical work, particularly as they become entrustable in a longitudinal integrated clerkship or preceptorship. Student education may enhance future

workforce recruitment. This panel will explore and discuss the return on investment for medical student education.

Introduction

Susan Steinemann, MD, FACS, *Honolulu, HI*

Student in Your Office

Rishindra M. Reddy, MD, FACS, *Ann Arbor, MI*

Students and Inpatient Care

Jesse S. Moore, MD, FACS FASCRS, *Burlington, VT*

How to Recruit and Keep Volunteer Faculty

Paul J. Schenarts, MD, FACS, *Omaha, NE*

Discussion / Questions and Answers

Andre R. Campbell, MD, FACS, *San Francisco, CA*

Sponsored by the Committee on Medical Student Education

PS214 | 9:45-11:15 am

Liver Transplantation: How Can We Increase the Number of Donors/Transplants and Create Innovative New Strategies?



LOCATION: MS 301-302

TRACK(S): GEN, PED

MODERATOR: Andrew S. Klein, MD, FACS, *Manhattan Beach, CA*

CO-MODERATOR: Seth J. Karp, MD, FACS, *Nashville, TN*

The number of liver transplants is small compared to the number of patients in need. How can we increase donors? Are there new techniques to increase the number of live donors, living donors, or use of donations after cardiac death organs? Can we improve the use of marginal donors?

Introductions

Andrew S. Klein, MD, FACS, *Manhattan Beach, CA*

Seth J. Karp, MD, FACS, *Nashville, TN*

Donation after Circulatory Death (DCD) Liver Transplantation: Be Not Afraid of an Underutilized, Life-Saving Resource

David P. Foley, MD, FACS, *Madison, WI*

Use of Hepatitis C Organs in Liver Transplantation, I Dare You: Use this Organ

Irene K. Kim, MD, FACS, *West Hollywood, CA*

Steatotic Livers: An Abundant Resource

Kristopher P. Croome, MD, FACS, *Jacksonville, FL*

Perfusion Devices in Liver Transplantation—Think Inside the Box

Sophoclis P. Alexopoulos, MD, FACS, *Nashville, TN*

Sponsored by the Advisory Council for General Surgery

PS215 | 9:45-11:15 am

Intimate Partner Violence and the Surgical Workforce



LOCATION: MS 153

TRACK(S): EDU, GEN, RES-MED, RUS, TRA

MODERATOR: Carrie A. Sims, MD, FACS, *Philadelphia, PA*

CO-MODERATOR: Jessica Hoffman-Beard, MD, *Philadelphia, PA*

Intimate partner violence (IPV) is a serious, preventable public health problem that affects millions of Americans

and occurs among all ages, races, and income levels. The term “intimate partner violence” includes physical violence, sexual violence, stalking, and/or psychological aggression by a current or former intimate partner. The Centers for Disease Control and Prevention estimates that approximately 27.3 percent of women and 11.5 percent of men in the U.S. have experienced sexual violence, physical violence, or stalking by an intimate partner. This panel will review accomplishments of the ACS Intimate Partner Violence Task Force and review the problem including risk factors in individual relationships and communities. Screening and prevention strategies will be discussed including interventions when a colleague is identified as at risk.

When Intimate Partner Violence (IPV) Strikes the Surgical Workforce: A Chair's Perspective and Response

Barbara Lee Bass, MD, FACS, FRCS(Eng)(Hon), FRCSI(Hon), FCOSECSA(Hon), *Houston, TX*

Practical Insights on IPV and Surgeons

Harise Stein, MD, *Stanford, CA*

Supports for Surgeons and Trainees Experiencing IPV

Brigid McCaw, MD, MPH, FACP, *Oakland, CA*

The ACS Responds to Intimate Partner Violence

Please see addendum and Clinical Congress App.

Sponsored by the Committee on Trauma and the Intimate Partner Violence Task Force

PS216 | 9:45-11:15 am

What You Need to Know to Protect Yourself from Being Mislabeled a “Disruptive Surgeon”



LOCATION: MS 154

TRACK(S): EDU, ETH

MODERATOR: Mary O. Aaland, MD, FACS, *Fargo, ND*

CO-MODERATOR: Richard I. Whyte, MD, FACS, *Boston, MA*

This panel will focus on the tools that individual surgeons need to protect themselves from a politically motivated disruptive physician termination. It will consist of a case history of a surgeon that successfully faced down a false claim, an expert lawyer that will discuss what a surgeon can do proactively, and an expert in hospital bylaw development so that surgeons can know what fair and unbiased bylaws should look like. There will also be discussion about what steps are a must for a corporation/employer to take and what rights the surgeons have during the process.

The History of the “Disruptive Physician” Terminology

Richard B. Willner, MD, *New Orleans, LA*

The Events Leading up to the Clara Valley Medical Center vs. Dr. Dean Winslow Case

John A. McBride, *San Jose, CA*

How to Protect Yourself from a Sham Peer Review

Lawrence R. Huntoon, MD, PhD, *Derby, NY*

Sponsored by the Committee on Ethics and the Board of Governors Physician Competency and Health Workgroup

PS217 | 12:45-2:15 pm**More Than BRCA (Breast Cancer Gene): Genetic Testing for Breast Cancer 2019**

LOCATION: MW 3014-3018

TRACK(S): GEN, ONC

MODERATOR: Sarah A. McLaughlin, MD, FACS, Jacksonville, FL

CO-MODERATOR: Susan B. Kesmodel, MD, FACS, Miami, FL

Numerous genetic panels are now available that test for various combinations of genes associated with hereditary breast and/or ovarian cancer. Some well-designed genetic panel tests include additional genes that have demonstrated clinical utility and moderate-to-high penetrance. However, other panel tests include a broader range of genes for which penetrance levels are intermediate and low and the clinical utility of testing is not yet established. This session will discuss the new American Society of Breast Surgeons consensus guidelines and the updated National Comprehensive Cancer Network guidelines regarding appropriateness of multi-gene testing and surgical recommendations regarding screening and prophylactic surgery.

Guidelines and Determining Who Should Be Tested
Laura L. Kruper, MD, FACS, Duarte, CA

Interpreting Results and National Databases to Track Results
Doreen M. Agnese, MD, FACS, Columbus, OH

Surveillance Options and Recommendations for Prophylactic Surgery
Patricia A. Cronin, MD, FRCS, Phoenix, Arizona

Questions and Answers
Susan B. Kesmodel, MD, FACS, Miami, FL

Sarah A. McLaughlin, MD, FACS, Jacksonville, FL
Sponsored by the Advisory Council for General Surgery

PS218 | 12:45-2:15 pm**Anastomotic Leaks: Are We Getting Closer to Understanding and Preventing Them?**

LOCATION: MS 205-208, 213-216

TRACK(S): CRS, GEN, RUS, TRA

MODERATOR: Scott R. Steele, MD, FACS, Shaker Heights, OH

CO-MODERATOR: Cindy J. Kin, MD, FACS, Stanford, CA

Anastomotic leaks are a nemesis of colorectal surgery. Despite basic training in how to prevent anastomotic leaks, performing specific maneuvers intraoperatively, and testing the anastomosis, leaks still occur. Numerous new ideas and techniques in why anastomotic leaks may occur, ways to improve assessment over clinical grounds, and improved detection and treatment are now available

Introduction

Scott R. Steele, MD, FACS, Shaker Heights, OH

The Best Thing about Leaks Is Preventing Them:

Anastomotic Construction and Augmentation

Matthew F. Kalady, MD, FACS, Cleveland, OH

New Fangled Devices and Techniques: Do They Hold Any Water (or Stool?) for Preventing Leaks
Andrew A. Shelton, MD, FACS, Stanford, CA

Evaluating the Anastomosis: Past, Present, and Future
Anuradha R. Bhama, MD, FACS, Chicago, IL

Microbiome and Anastomotic Leaks –
Can We Blame the Bacteria?
John C. Alverdy, MD, FACS, Chicago, IL

Patient Factors: Risk Factors or Scapegoats?

Emily V. Finlayson, MD, FACS, San Francisco, CA

Detection of Leaks: Endoscopy, Radiology, and Labs

Justin A. Maykel, MD, FACS, Worcester, MA

Panel of Cases

Cindy J. Kin, MD, FACS, Stanford, CA

Sponsored by the Advisory Council for Colon and Rectal Surgery

PS219 | 12:45-2:15 pm**Endoscopic Intramural Surgery: POEM, POP, and POD**

LOCATION: MW 2002-2004

TRACK(S): CTS, GEN

MODERATOR: Jeffrey L. Ponsky, MD, MBA, FACS, Cleveland, OH

Peroral endoscopic myotomy (POEM), peroral diverticulotomy (POD), and peroral pyloroplasty (POP) have emerged as viable alternatives for the surgical management of achalasia and gastroparesis respectively. A clearer understanding of the role of these endoscopic techniques is emerging as patient volumes, physiologic data and length of follow-up have increased. This session will summarize the current state of the art regarding these endoscopic interventions and help identify which patients may be best suited for the endoscope rather than the laparoscope.

Introduction

Jeffrey L. Ponsky, MD, MBA, FACS, Cleveland, OH

POEM: Technique

Jeffrey M. Marks, MD, FACS, Cleveland, OH

POEM: Results

Eric S. Hungness, MD, FACS, Chicago, IL

POP: Technique and Results

John H. Rodriguez, MD, FACS, Cleveland, OH

Endoscopic Treatment of Zenker's Diverticulum

Jeffrey L. Ponsky, MD, MBA, FACS, Cleveland, OH

Sponsored by the Advisory Council for General Surgery

PS220 | 12:45-2:15 pm**There's an App for That: How Technology Is Reshaping Pre- and Postoperative Outpatient Surgery**

LOCATION: MS 301-302

TRACK(S): EDU, GEN, INFO

MODERATOR: Jonah Stulberg, MD, PhD, MPH, FACS, Chicago, IL

CO-MODERATOR: Terry Sarantou, MD, FACS, Charlotte, NC

We have seen exponential growth in technology solutions for patient engagement over the last few years, but what works? What's all hype? Many surgeons are unaware of how technology can be leveraged to better educate their

patients preoperatively leading to improved compliance with preoperative medication management, bowel prep, or diet restrictions. Or, how real-time feedback is being used to create clinical alerts to reduce readmissions, decrease postop phone calls, and even eliminate the need for post-operative appointments. In this world of rapidly changing technology this session will help providers understand: 1. how to leverage outpatient remote monitoring to improve postoperative care, 2. how one- and two-way communication solutions can decrease workload, and 3. how mobile technologies can improve patient outcomes like readmission rates.

Welcome and Introduction

Terry Sarantou, MD, FACS, *Charlotte, NC*

Patient Education: Low-Tech, Easy Access Patient Education
Leigh A. Neumayer, MD, MS, FACS, *Tucson, AZ*

Guiding Patients, Tracking Data, and Retrieving Patient Reported Outcomes (PROs) with BeeWell
Alden M. Parsons, MD, FACS, *Raleigh, NC*

Development and Use of Digital Applications for Postoperative Wound Monitoring
Rebecca L. Gunter, MD, *Madison, WI*

Telemedicine with Discharge at Home Monitoring Enhances Patient Care
Richard J. Shemin, MD, FACS, *Los Angeles, CA*

Leveraging Mobile Apps for Quality Improvement: The ACS GetWellLoop Pilot Project
Jonah Stulberg, MD, PhD, MPH, FACS, *Chicago, IL*

How Do I Find Trusted Apps to Use in my Surgical Practice? The ACS HIT Toolkit
Heather L. Evans, MD, MS, FACS, *Charleston, SC*

Sponsored by the Health Information Technology Committee and the Patient Education Committee

PS221 | 12:45-2:15 pm

Opportunities for Women to Excel in Cardiothoracic Surgery



LOCATION: MW 2006-2008

TRACK(S): CTS, RES-MED, RUS

MODERATOR: Jennifer S. Lawton, MD, FACS, *Baltimore, MD*

CO-MODERATOR: Daniela Molena, MD, FACS, *New York, NY*

While it has been an unduly long time in the making, women in surgery are arising to be a force with which to be reckoned. Owing to the historically male-dominated profession, there remain challenges that require addressing to continue to pave the way for the best and brightest in the field of surgery. Cardiothoracic surgery among a handful of other surgical specialties is particularly dominated by males and also is structured in a manner that may make overcoming some hurdles more arduous than other disciplines.

Please see addendum and Clinical Congress App.

Sponsored by the Advisory Council for Cardiothoracic Surgery and the Women in Surgery Committee

PS222 | 12:45-2:15 pm

Management of the Nodal Basin in the Melanoma Patient



LOCATION: MS 154

TRACK(S): GEN, ONC, OTO, PLA

MODERATOR: Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

CO-MODERATOR: John M. Kane, MD, FACS, *Buffalo, NY*

Sentinel node biopsy has been a standard of care for intermediate thickness melanoma for over a decade. While sentinel node positivity is a powerful negative prognostic predictor of survival, optimum treatment of sentinel node positive patients has become a focus of intense debate since the recent publication of two randomized trials (nodal basin dissection vs. observation). This session provides practicing general surgeons who care for melanoma patients with updates on status of nodal basin management on sentinel node positive patients and discusses the new frontier of adjuvant immunotherapy and targeted therapy. The session will end with discussion between audience and panel to explore the consensus of management strategy.

Case Presentation

Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

Management of Clinically Negative: Sentinel Node Positive Nodal Basin

John M. Kane, MD, FACS, *Buffalo, NY*

Management of Clinically Positive Nodal Basin
Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

Management of Nodal Basin-Positive Patient: Medical Oncology Perspectives

Mohammed M. Milhem, MBBS, *Iowa City, IA*

Case Presentation and Discussion

Hisakazu Hoshi, MD, FACS, *Iowa City, IA*

Sponsored by the Commission on Cancer

PS223 | 12:45-5:00 pm

Association of Program Directors in Surgery (APDS) Panels

LOCATION: MS 303-304

TRACK(S): GEN, RES-MED

MODERATOR: David T. Harrington, MD, FACS, *Providence, RI*

CO-MODERATOR: Kyla P. Terhune, MD, FACS, *Nashville, TN*

The Association of Program Directors in Surgery (APDS) presents two panels on key issues in surgery resident education. Panels will include talks by expert speakers as well as a panel discussion.

Part 1: Time to Venture Out into the World – A Program Director's Guide to Giving Residents Career Advice

Introduction

David T. Harrington, MD, FACS, *Providence, RI*

Setting the Stage: Current State of Affairs

William G. Cioffi, MD, FACS, *Providence, RI*

The Traditional Large Academic Department of Surgery

Fabrizio Michelassi, MD, FACS, *New York, NY*

Medium to Small Academic Departments in a Hospital Organized in Service Lines

Richard B.T. Damewood, MD, FACS, *York, PA*

The Community Academic Hospital or Private Practice Model

Marcella W. Bradway, MD, FACS, FASCRS, *Pittsfield, MA*

Surgery Departments in Kaiser Permanente Hospitals

Craig J. Collins, MD, FACS, *Victor, NY*

Part 2: Mentoring through the Years: Best Practices for Those Who Mentor Residents

Introduction

Kyla P. Terhune, MD, FACS, *Nashville, TN*

Doctor: Mentoring the Intern

Mary K. Kimbrough, MD, FACS, *Little Rock, AR*

Leader and Professional: Mentoring the Developing Resident

Vance Y. Sohn, MD, FACS, *Gig Harbor, WA*

Fellow: Mentoring the Transition from Residency to Fellowship

Jennifer LaFemina, MD, FACS, *Worcester, MA*

Surgeon: Mentoring the Transition to Practice

Benjamin T. Jarman, MD, FACS, *La Crosse, WI*

Strategies to Ensure Success: Mentoring the Underrepresented Resident

Cary B. Aarons, MD, FACS, *Philadelphia, PA*

Sponsored by the Association of Program Directors in Surgery

PS224 | 2:30-4:00 pm

Fournier's Gangrene and Other Necrotizing Infections: A Multidisciplinary Approach



LOCATION: MW Ballroom

TRACK(S): GEN, PLA, TRA, URO

MODERATOR: Joshua A. Broghammer, MD, FACS, *Kansas City, KS*

CO-MODERATOR: Sharon M. Henry, MD, FACS, *Baltimore, MD*

Fournier's gangrene (FG) is a rare but life-threatening disease. The nidus is usually located in the genitourinary tract, lower gastrointestinal tract, or skin. Progression is often rapid and can lead to multiple organ failure and death. Even when promptly diagnosed and treated, patients often experience prolonged convalescence and potential disfigurement from sequelae of treatment. Successful treatment requires a multimodal and multidisciplinary approach. The panel will provide attendees (urologists, general surgeons, plastic surgeons) with a comprehensive and multidisciplinary approach to diagnosis,

medical and surgical management of the acute illness, and reconstructive considerations for patients with genital skin deficiency after FG.

What Everyone Needs to Know about Fournier's

Gangrene: A Urologist's Perspective

Michael Coburn, MD, FACS, *Houston, TX*

Fournier's Gangrene: The General Surgeon's Perspective

Laurie J. Punch, MD, FACS, *St. Louis, MO*

Putting Humpty Dumpty Back Together: Reconstruction

following Debridement for Fournier's Gangrene

Michael J. Terry, MD, *San Francisco, CA*

Clinical Cases

Joshua A. Broghammer, MD, FACS, *Kansas City, KS*

Sharon M. Henry, MD, FACS, *Baltimore, MD*

Sponsored by the Advisory Council for General Surgery and the Advisory Council for Urology

PS225 | 2:30-4:00 pm

Paraesophageal Hernias: When and How to Operate in 2019



LOCATION: MW 3014-3018

TRACK(S): CTS, GEN, RUS

MODERATOR: David W. Rattner, MD, FACS, *Boston, MA*

CO-MODERATOR: James D. Luketich, MD, FACS, *Pittsburgh, PA*

Paraesophageal hernias remain challenging cases. This session will discuss which patients should or should not undergo operative repair. Controversial issues such as esophageal lengthening, mesh or non-mesh cruroplasty, and the use of anti-reflux procedures will be highlighted. The expert panelists will provide their technical tips for operative success.

Paraesophageal Hernias: Who to Operate on and

When to Do It

Dana A. Telem, MD, MPH, FACS, *Ann Arbor, MI*

Is Routine Fundoplication Necessary in Paraesophageal Hernia Repair?

The Difficult Hiatus: Mesh or No Mesh?

Aurora D. Pryor, MD, FACS, *Stony Brook, NY*

Technical Challenges in Paraesophageal Hernia Repair:

Short Esophagus and Tough Re-Operations

Christopher R. Morse, MD, *Boston, MA*

Sponsored by the Advisory Council for Cardiothoracic Surgery and the Advisory Council for General Surgery

PS226 | 2:30-4:00 pm

Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology



LOCATION: MS 301-302

TRACK(S): CRS, ONC, OTO, PLA, VAS

MODERATOR: Tam T. Huynh, MD, FACS, *Houston, TX*

CO-MODERATOR: George A. Poultsides, MD, FACS, *Stanford, CA*

This session will review the management of complex surgical oncology cases that involve major vascular structures. The following vascular beds will be emphasized: head and

neck tumors, such as paragangliomas, involving the carotid artery; extremity soft-tissue sarcomas involving the major extremity arteries and veins; retroperitoneal tumors adjacent to the major intra-abdominal vessels including the aorta and inferior vena cava; and pancreatic tumors involving the portal vein and mesenteric arteries. The session will also include discussion of optimal preoperative imaging, ligation versus bypass, choice of optimal conduit, and postoperative management including choice of antithrombotic agent. This session will be of interest to surgeons managing patients with a variety of benign and malignant neoplasms involving major vascular structures.

Vascular Resections and Reconstructions during Pancreatic Surgery

Marco Del Chiaro, MD, PhD, FACS, *Aurora, CO*

Vascular Reconstruction during Sarcoma Resection
George A. Poultides, MD, FACS, *Stanford, CA*

Vascular Considerations in Oncologic Resection
Yaron Sternbach, MD, *Albany, NY*

Role of Neoadjuvant Therapy in Increasing Resectability of Solid Tumor

Christina L. Roland, MD, MS, FACS, *Houston, TX*

Vascular Options in Neck and Genitourinary (GU) Cancers
Tam T. Huynh, MD, FACS, *Houston, TX*

Case Presentations and Panel Discussion
Tam T. Huynh, MD, FACS, *Houston, TX*

Sponsored by the Advisory Council for Vascular Surgery

PS227 | 2:30-4:00 pm

Avoiding Surgeon Burnout with Lifestyle Modification



LOCATION: MN 23

TRACK(S): GEN, OTO, RES-MED, RUS

MODERATOR: Virginia R. Litle, MD, FACS, *Boston, MA*

CO-MODERATOR: Raphael C. Sun, MD, *Houston, TX*

Surgeon burnout has become a real problem for our specialty. Surgeons are perfectionists with a strong work ethic and they typically place the health of others before their own. Risk of burnout may be decreased by maintaining a healthy lifestyle. Functioning at an optimal level of fitness and energy is ideal and to do so will ultimately benefit not only the personal well-being of the surgeon, but the quality of surgical care. This panel will explore some of the unique wellness challenges faced by surgeons and emphasize practical tactics to mitigate them. The panel will discuss current but novel strategies to incorporate mindfulness into a busy schedule, develop and maintain life balance, and avoid behavior which could lead to burnout.

Introduction

Virginia R. Litle, MD, FACS, *Boston, MA*

Overview: Resilience and Grit vs. Burnout
Raphael C. Sun, MD, *Houston, TX*

Surgeon Health, Well-Being, and Joy: A New Paradigm to Prevent Burnout in Surgery

Mary L. Brandt, MD, FACS, *Houston, TX*

Mindful Motion

Pamela Stokes, BS, *Fairfax, CA*

Organizational Approaches to Reducing Faculty Burnout
Christina Cellini, MD, FACS, *Rochester, NY*

Mid-Career Crisis: Individual Approaches to Reducing Burnout

Manju Subramanian, MD, *Boston, MA*

Sponsored by the Women in Surgery Committee and the Resident and Associate Society

PS228 | 2:30-4:00 pm

Gender Inequality



LOCATION: MS 154

TRACK(S): ETH, GEN, INT, OBG

MODERATOR: Hiba Abdel Aziz, MBBCh, FACS, *Doha, Qatar*

CO-MODERATOR: Steven L. Chen, MD, FACS, *San Diego, CA*

Gender inequality is a major issue worldwide and surgery is no exception. This session will further explore this problem and potential solutions. We will discuss how gender inequality manifests in training (as faculty into senior positions) and mechanisms that can be used to recognize and combat inequality.

Reducing Gender Inequality in Training

Amalia L. Cochran, MD, FACS, *Columbus, OH*

Reducing Gender Inequality in Faculty and Senior Positions
Julie A. Freischlag, MD, FACS, *Winston-Salem, NC*

Mentoring Strategies to Reduce Gender Inequality

Thomas K. Varghese, Jr., MD, MS, FACS, *Salt Lake City, UT*

Issues in Organized Medicine:

ACS and other organizations

Cherisse D. Berry, MD, FACS, *New York, NY*

Sponsored by the Women in Surgery Committee and the Board of Governors Survey Workgroup

PS229 | 2:30-4:00 pm

Pediatric Trauma: What's New and Improved?



LOCATION: MW 2006-2008

TRACK(S): GEN, PED, RUS, TRA

MODERATOR: Jeffrey S. Upperman, MD, FACS, *Los Angeles, CA*

CO-MODERATOR: Barbara A. Gaines, MD, FACS, *Pittsburgh, PA*

This session will address recent updates in pediatric trauma. Topics will include fluid resuscitation techniques and coagulopathy in pediatric trauma. In addition, advances in the care of children with pelvic injuries and closed head injuries will be addressed. This panel will be of interest to anyone caring for critically injured children including trauma surgeons, pediatric surgeons, and general surgeons.

Updates on Traumatic Brain Injury

Charles S. Cox, MD, FACS, *Houston, TX*

Innovations in Trauma Care Simulation

Aaron R. Jensen, MD, MEd, MS, FACS, FAAP, *Oakland, CA*

Updates in Pediatric Penetrating Trauma

Bindi Naik-Mathuria, MD, FACS, *Houston, TX*

Coagulation Disorders and Massive Transfusion Protocols in Children

Barbara A. Gaines, MD, FACS, *Pittsburgh, PA*

Moderated Discussion and Questions and Answers

Jeffrey S. Upperman, MD, FACS, *Los Angeles, CA*

Sponsored by the Advisory Council for Pediatric Surgery

PS237 | 2:30-4:00 pm

Metabolic Surgery: Bariatric, Diabetes, and Chronic Traumatic Encephalopathy



LOCATION: MW 2002-2004

TRACK(S): GEN, TRA

MODERATOR: Henry Buchwald, MD, PhD, FACS, *Minneapolis, MN*

CO-MODERATOR: Walter J. Pories, MD, FACS, *Greenville, NC*

Most nonviolent deaths and diseases in the U.S. are metabolic in origin, including obesity, atherosclerotic cardiovascular disease, diabetes, and even cancer and neurocognitive impairment. Metabolic surgery today affords the only known cure or amelioration for some of these afflictions. This panel will discuss current clinical practices and neurohormonal mechanisms of causation and metabolic surgery therapy for bariatric, diabetes, and chronic traumatic encephalopathy (CTE).

Introductions

Henry Buchwald, MD, PhD, FACS, *Minneapolis, MN*

Metabolic/Bariatric Surgery of Obesity

Eric J. DeMaria, MD, FACS, *Greenville, NC*

Metabolic/Bariatric Surgery Mechanisms of Action

Robin L. Blackstone, MD, FACS, *Scottsdale, AZ*

Newly Suggested Metabolic Surgery Procedures

Scott A. Shikora, MD, FACS, *Boston, MA*

Metabolic Surgery of Diabetes

Walter J. Pories, MD, FACS, *Greenville, NC*

Metabolic Surgery of Chronic Traumatic Encephalopathy (CTE)

Henry Buchwald, MD, PhD, FACS, *Minneapolis, MN*

Sponsored by the Program Committee

PS230 | 2:30-5:45 pm

Ethics Colloquium: The Ethics of Extraordinary Care



LOCATION: MS 153

TRACK(S): ETH

MODERATOR: Catherine J. Hunter, MD, FACS, *Chicago, IL*

CO-MODERATOR: Eric A. Singer, MD, FACS, *New Brunswick, NJ*

The Ethics Colloquium will explore the challenges surgeons face in the setting of rapid innovations in care. We will consider examples of extraordinary care including extra corporeal membrane oxygenation (ECMO), uterine transplant, Hyperthermic Intraperitoneal Chemotherapy (HIPEC), and fetal surgery to examine how these treatments affect patients, families, surgeons, and the health care system. We will use case-based learning to evaluate important ethical dilemmas raised by these remarkable innovations: 1. How to best respect patient autonomy for

treatments that have high burdens, both for patients with life-limiting illness, and those who are not actually sick;

2. What are the surgeon's obligations to provide extraordinary care?; 3. How best to provide stewardship of health care resources; and 4. Are standards required to protect the just distribution of extraordinary care?

The Ethics of Hyperthermic Intraperitoneal Chemotherapy (HIPEC) - I

Andrea A. Hayes Jordan, MD, FACS, *Chapel Hill, NC*

The Ethics of Hyperthermic Intraperitoneal Chemotherapy (HIPEC) - II

Ryan P. Merkow, MD, *Chicago, IL*

The Ethics of Fetal Surgery - I

Diana L. Farmer, MD, FACS, FRCS, *Sacramento, CA*

The Ethics of Fetal Surgery - II

Aimen F. Shaaban, MD, FACS, *Chicago, IL*

The Ethics of Uterine Transplant - I

Anji Wall, MD, *Dallas, TX*

The Ethics of Uterine Transplant - II

Giuliano Testa, MD, FACS, *Dallas, TX*

The Ethics of Extra Corporeal Membrane Oxygenation and Left Ventricular Assist Device: A Bridge to Nowhere - I

Lena M. Napolitano, MD, FACS, *Ann Arbor, MI*

The Ethics of Extra Corporeal Membrane Oxygenation and Left Ventricular Assist Device: A Bridge to Nowhere - II

Shunichi Nakagawa, MD, *New York, NY*

Sponsored by the Committee on Ethics

PS231 | 4:15-5:45 pm

General Surgeons as the GERD Experts in the Community



LOCATION: MS 205-208, 213-216

TRACK(S): CTS, GEN, RUS

MODERATOR: Scott D. Coates, MD, FACS, *Chanute, KS*

CO-MODERATOR: David J. Welsh, MD, MBA, FACS, *Batesville, IN*

Surgeons in small communities are frequently the foregut endoscopists. More and more patients are asking to be free of their dependence on PPI (proton pump inhibitors) medications. This is an excellent opportunity to establish oneself as the gastroesophageal reflux disease (GERD) expert in the community. In order to provide high-quality and consistently excellent results, one must be committed to a scientific and rigorous evaluation of these patients. This panel will describe the essential components of a comprehensive GERD service line. Surgeons will describe their personal experience after years of practice in their communities. Techniques of ambulatory pH testing and high-resolution manometry and others will be discussed. Patient selection and indications for various anti-reflux procedures will be discussed.

Acid Reflux Center Development for the Young Surgeon:

How I Do It

Medhat Y. Fanous, MBBCh, FACS, *Iron River, MI*

Initial Patient and Procedure Selection: Potential Evaluation and Procedure Toolkit and Skill Set Required

Robert B. Lim, MD, FACS, *Kailua, HI*

Pro Forma or No Forma: How to Evaluate the Wants and Needs of GERD Center Tools Perspective from the C Suite
Julie A. Conyers, MBA, MD, FACS, *Ketchikan, AK*

Pearls of Wisdom to Those Engaged in the Surgical Treatment of GERD

John G. Hunter, MD, FACS, *Portland, OR*

Sponsored by the Advisory Council for General Surgery and the Advisory Council for Rural Surgery

PS232 | 4:15-5:45 pm

Non-Bariatric Surgery in the Morbidly Obese Patient



LOCATION: MW Ballroom

TRACK(S): GEN, ORT, RUS, TRA

MODERATOR: Scott A. Shikora, MD, FACS, *Boston, MA*

CO-MODERATOR: Heidi J. Miller, MD, MPH, FACS, *Albuquerque, NM*

Morbidly obese patients represent an increased complexity of perioperative and intraoperative care. This session will address risk assessment of the morbidly obese patient having non-bariatric surgery. It will discuss the requirements for equipment/beds/resources for the morbidly obese patients. Additionally, outcomes in the morbidly obese versus the non-obese patient for various procedures will be reviewed.

Preoperative Preparation of the Morbidly Obese Elective Surgery Patient

Leena Khaitan, MD, FACS, *Cleveland, OH*

Equipment and Resource Considerations

Scott A. Shikora, MD, FACS, *Boston, MA*

Intraoperative Tricks Learned from Bariatric Surgery

Edward L. Felix, MD, FACS, *Santa Maria, CA*

Postoperative Management for Patients with Morbid Obesity Undergoing Elective General Surgery

Bradley F. Schwack, MD, FACS, *New York, NY*

Emergency Surgery in Morbidly Obese Patients

Heidi J. Miller, MD, MPH, FACS, *Albuquerque, NM*

Sponsored by the Bariatric Advisory Committee and the Committee on Perioperative Care

PS233 | 4:15-5:45 pm

New Techniques in the Management of Lymphedema



LOCATION: MW 3014-3018

TRACK(S): ONC, PLA, VAS

MODERATOR: David W. Chang, MD, FACS, *Chicago, IL*

CO-MODERATOR: Lori C. Pounds, MD, FACS, *San Antonio, TX*

Lymphedema remains a clinical challenge for which treatment paradigms are continually evolving. Postsurgical lymphedema is commonly encountered in the upper extremities following mastectomy and in the lower extremities following groin dissection or tumor resection. Physicians should remain aware of treatment options in these

conditions, which may include physical therapy and conservative measures, lymph node transfer, microsurgical lymphatic venous surgery, and radical excision. The present panel will explore indications and outcomes for each of these treatment paradigms to optimize care of patients with lymphedema.

Introduction

David W. Chang, MD, FACS, *Chicago, IL*

Lymphovenous Bypass

Roman J. Skoracki, MD, FACS, *Columbus, OH*

Vascularized Lymph Node Transfer

Ketan M. Patel, MD, *Los Angeles, CA*

Prevention of Lymphedema

Dhruv Singhal, MD, *Boston, MA*

Sponsored by the Advisory Council for Plastic and Maxillo-facial Surgery and the Advisory Council for General Surgery

PS234 | 4:15-5:45 pm

What Works? Success in Global Surgical System Strengthening: From Problems to Solutions



LOCATION: MS 301-302

TRACK(S): HUM, INT

MODERATOR: Thomas G. Weiser, MD, FACS, *Stanford, CA*

CO-MODERATOR: Marissa Boeck, MD, MPH, *San Francisco, CA*

Estimates are well known for those lacking access to surgical care globally, both domestically and internationally. It is time to transition beyond problem recognition to impactful solution implementation. As author William Easterly writes in *The White Man's Burden*, this should include focusing on individuals with an intimate knowledge of local context who learn through trial and error in the field. This suggests tackling more concrete tasks versus the overly grand, with a focus on dissemination and implementation science to adapt successful solutions from one setting to diverse locales. Speakers will explore this through examples in one or more of the five domains identified by *The Lancet* Commission on Global Surgery as essential components of a surgical system: workforce, infrastructure, service delivery, information management, and financing.

Human Resources

Shankar Man Rai, MD, *Kathmandu, Nepal*

Supplies/Infrastructure

Mary M. Ajiko, MD, *Soroti, Uganda*

Frugal Innovation

Kris Torgeson, *New York, NY*

Organization Management/Policy

Millard Derbew, MD, FRCS, *Addis Ababa, Ethiopia*

Information Management

Catherine Juillard, MD, MPH, FACS, *Los Angeles, CA*

Financing

Abebe Bekele, MD, FACS, *Kigali, Rwanda*

Research/Education Collaborations

Maria F. Jimenez, MD, *Bogota, Columbia*

Sponsored by Operation Giving Back and the International Relations Committee

PS235 | 4:15-5:45 pm**Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience**

LOCATION: MW 2006-2008

TRACK(S): EDU, OBG, PLA, RES-MED, URO

MODERATOR: Babatunde H. Almaroof, MBBS, FACS, *Flint, MI*CO-MODERATOR: Michaela A. West, MD, PhD, FACS, *Minneapolis, MN*

The LGBTQ community is designated as a health-disparity population and many reforms have been placed to help improve the disparity. Many issues still exist that need to be addressed as awareness for the unique medical needs of this population is lacking in medical schools and residency programs. A significant number of physicians and other health care providers have reported being socially ostracized or denied referrals due to sexual orientation and gender identity. Discriminatory language or treatment toward LGBTQ patients and colleagues have also been reported, leading to withholding this personal information for fear of being denied a position. This panel will explore pertinent issues in LGBTQ health and how they affect patient care and interaction of LGBTQ providers with the medical community.

LGBTQ ABCs: Introduction

Michaela A. West, MD, PhD, FACS, *Minneapolis, MN*

Navigating a Career in Surgery as a Gay Man

Thomas S. Satterwhite, MD, *Emerald Hills, CA*

Challenges Faced by Lesbian Surgeons

Andrea Long, MD, FACS, *Fresno, CA*

Creating a Culture of Radical Inclusion

Laurie J. Punch, MD, FACS, *St. Louis, MO*

The View from Outside of the Surgical Community

Please see addendum and Clinical Congress App.

Audience Questions and Answers

Babatunde H. Almaroof, MBBS, FACS, *Flint, MI*

Sponsored by the Committee on Diversity Issues and the Committee on Continuous Professional Development

PS236 | 4:15-5:45 pm**Team-Based Approach to Pelvic Floor Problems: It Takes a Village**

LOCATION: MW 2002-2004

TRACK(S): CRS, GEN, OBG, URO

MODERATOR: Rohini McKee, MD, MPH, FACS, FASCRS, *Albuquerque, NM*CO-MODERATOR: Leslee L. Subak, MD, *Stanford, CA*

Pelvic floor disorders may cause a variety of common symptoms which are often erroneously attributed to anorectal disease. This panel is intended to help the community general and gynecologic surgeon to recognize pelvic floor disorders, understand the importance of a team approach with urogynecologists and colorectal surgeons, and discuss the multimodal treatment options available.

Introduction

Rohini McKee, MD, MPH, FACS, FASCRS, *Albuquerque, NM*

Epidemiology of Pelvic Floor Disease (PFD) and Barriers to Seeking Care

Thomas E. Cataldo, MD, *Providence, RI*

Pelvic Floor Disease and Sexual Trauma

Brooke H. Gurland, MD, FACS, *Stanford, CA*

Evaluation of Pelvic Organ Prolapse: Use of Instruments

Emily S. Lukacz, MD, *La Jolla, California*

Advantages of a Multidisciplinary Approach

Rebecca Rogers, MD, *Austin, TX*

Panel Discussion Questions and Answers

Leslee L. Subak, MD, *Stanford, CA*

Sponsored by the Advisory Council for General Surgery and the Advisory Council for Gynecology and Obstetrics

Wednesday, October 30**PS301** | 8:00-9:30 am**Enhanced Recovery After Surgery (ERAS) Pathways for General Thoracic Surgery**

LOCATION: MW Ballroom

TRACK(S): CTS, EDU, GEN, ONC, RUS

MODERATOR: James M. Isbell, MD, FACS, *New York, NY*CO-MODERATOR: Nabil Rizk, MD, *New York, NY*

Enhanced Recovery After Surgery (ERAS) pathways are becoming a topic of greater interest in cardiothoracic surgery as well as in other fields of surgery. Colorectal surgery led the charge with its inception and development. In an effort to continue pushing for its use, the discipline of cardiothoracic surgery will need to learn more of the history behind it, as well as establish a working knowledge of how ERAS pathways are currently being used and optimized.

Developing a Thoracic ERAS Program: Things to Consider

Linda W. Martin, MD, MPH, FACS, *Charlottesville, VA*

Thoracic ERAS: Beyond the Basics

Reza J. Mehran, MD, FACS, FRCSC, *Houston, TX*

Incorporating Preoperative Risk Assessment into a Thoracic ERAS Program

Robert A. Meguid, MD, MPH, FACS, *Aurora, CO*

Defining and Measuring Quality in Resectable Lung Cancer

Farhood Farjah, MD, MPH, FACS, *Seattle, WA*

Achieving Simultaneous Process Improvement and Cost Containment: A Real-World Experience

Nabil Rizk, MD, *New York, NY*

Sponsored by the Advisory Council for Cardiothoracic Surgery and the Committee on Perioperative Care

PS302 | 8:00-9:30 am**Management of Complex Benign Breast Disease**

LOCATION: MW 2006-2008

TRACK(S): GEN

MODERATOR: Laura H. Rosenberger, MD, FACS, *Durham, NC*CO-MODERATOR: Kandace P. McGuire, MD, FACS, *Richmond, VA*

This session will focus on the diagnostic work-up and management of both common and relatively uncommon breast disease that can be challenging to manage both clinically and surgically. Diseases to be addressed include idiopathic granulomatous mastitis, fat necrosis, hamartomas, complex fibroadenomas, breast abscesses, hamartomas, sarcoidosis, and PASH (pseudoangiomatous stromal hyperplasia).

Surgical Management of Hamartomas and Benign Fibroepithelial Lesions

Andrea V. Barrio, MD, FACS, *New York, NY*

Outpatient Management of Fat Necrosis and Breast Abscess: Why Operating Room Drainage Shouldn't Be the First Choice

Kristalyn K. Gallagher, DO, FACS, *Chapel Hill, NC*

PASH of the Breast: The Presentation and Management of an Uncommon Diagnosis

Jennifer K. Plichta, MD, MS, FACS, *Durham, NC*

Idiopathic Granulomatous Mastitis: A Diagnostic and Therapeutic Challenge

Elizabeth A. Shaughnessy, MD, PhD, FACS, *Cincinnati, OH*

Sponsored by the Advisory Council for General Surgery

**PS303** | 8:00-9:30 am**Current Management Strategies for the Child with Intestinal Failure**

LOCATION: MS 301-302

TRACK(S): PED

MODERATOR: Samuel M. Alaish, MD, FACS, *Baltimore, MD*CO-MODERATOR: Colin A. Martin, MD, FACS, *Birmingham, AL*

This session will be a panel discussion addressing the current status of children with intestinal failure. The panel will discuss updates in treatment and management of intestinal failure, including issues encountered with establishing an intestinal rehab program, bowel-lengthening procedures, new parenteral nutrition strategies, and the status of pediatric intestinal transplantation for intestinal failure. This panel will primarily focus on topics of interest to transplant and pediatric surgeons.

Establishing an Intestinal Rehabilitation Program

Michael A. Helmuth, MD, FACS, *Cincinnati, OH*

Bowel-Lengthening Procedures

Robert A. Cowles, MD, FACS, *New Haven, CT*

New Parenteral Nutrition Strategies

Meghan A. Arnold, MD, FACS, *Ann Arbor, MI*

The Status of Pediatric Intestinal Transplantation

David F. Mercer, MD, PhD, FACS, *Omaha, NE*

Sponsored by the Advisory Council for Pediatric Surgery

**PS304** | 8:00-9:30 am**Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration**

LOCATION: MW 3014-3018

TRACK(S): CTS, EDU, HP, TRA, VAS

MODERATOR: Kimberly A. Davis, MD, FACS, *New Haven, CT*CO-MODERATOR: Eric A. Elster, MD, FACS, *Bethesda, MD*

Civilian trauma systems operate with continuous high-quality services but have less experience with major mass casualty (MASCAL) events. The military has extensive experience with MASCAL management, but few stateside military centers are integrated into their local civilian trauma systems. Bringing the resources and experiences of these two systems together benefits both with improved readiness and management for MASCAL/disaster events. This session will focus on the lessons learned from recent U.S. civilian MASCAL events where there was active engagement between U.S. military medical resources and the civilian trauma system. We will use these events to illustrate essential agreements for collaboration, communication and triage, training and protocol development, and discuss the obstacles and challenges that have been encountered. Pathways will be proposed for greater military-civilian integration.

The Las Vegas No Notice Mass Shooting:

Southern Nevada Response and Lessons Learned

Deborah A. Kuhls, MD, FACS, *Las Vegas, NV*

U.S. Air Force Military Civilian Partnership:

Smart and Responsive

Stephanie M. Streit, MD, FACS, *Las Vegas, NV*

Faster Than a Speeding Locomotive: Train Derailment

Outside a Military Trauma Center

Matthew J. Martin, MD, FACS, FASMB, *San Diego, CA*

Integrated Civilian Military Response to the First Baptist

Church of Sutherland Springs Mass Shooting

Ronald M. Stewart, MD, FACS, *San Antonio, TX*

Sponsored by the Committee on Trauma and the Board of Governors Surgical Care Delivery Workgroup

**PS305** | 8:00-9:30 am**Is There Life after the Operating Room? How Surgeons Approaching Retirement Can Continue to Contribute**

LOCATION: MW 2002-2004

TRACK(S): GEN, ORT, OTO, RUS, URO

MODERATOR: Richard H. Feins, MD, FACS, *Chapel Hill, NC*CO-MODERATOR: John B. Hanks, MD, FACS, *Charlottesville, VA*

The Committee on Coaching is proposing a panel to be held at the 2019 Clinical Congress that will address opportunities for retired surgeons to contribute their experiences to an appropriate audience. There is an increasing number of surgeons who have retired from surgery, or are contemplating retirement, but still have a lot to contribute to the field. This panel discussion will describe a variety of opportunities in which these surgeons can become involved. Topics to be discussed include: factors influencing the decision to retire, financial advice or planning, coaching as it applies to exchanging relevant experiences, and simulation-based techniques for teaching opportunities. The discussion will



address the transfer of the wealth of knowledge of senior surgeons to an appropriate younger group.

Opening Remarks

John B. Hanks, MD, FACS, *Charlottesville, VA*

Richard H. Feins, MD, FACS, *Chapel Hill, NC*

Health Benefits of Post-Retirement Involvement

Richard H. Feins, MD, FACS, *Chapel Hill, NC*

Opportunities with Industry and Expert Witness

Culley C. Carson, MD, FACS, *Chapel Hill, NC*

Re-Purposing Your Clinical Experience

Andrew L. Warshaw, MD, FACS, FRCSEd(Hon), *Boston, MA*

Introduction to Simulation-Based Teaching Course:

Three-Year Experience

Richard H. Feins, MD, FACS, *Chapel Hill, NC*

Discussion and Questions

John B. Hanks, MD, FACS, *Charlottesville, VA*

Closing Remarks

Richard H. Feins, MD, FACS, *Chapel Hill, NC*

Sponsored by the Committee on Professional Opportunities for Senior Surgeons

PS306 | 8:00-9:30 am

MeTooSurgery: Tools for Addressing and Preventing Sexual Harassment in the Surgical Workplace



LOCATION: MN 25

TRACK(S): EDU, ETH

MODERATOR: Nancy N. Baxter, MD, FACS, FRCSC, *Toronto, Ontario*

CO-MODERATOR: Marie L. Crandall, MD, FACS, *Jacksonville, FL*

A recent survey on sexual harassment in academic medicine has revealed that medicine is rife with sexual discrimination and harassment in all their classic forms, with more than thirty percent of female respondents saying they had experienced harassment. Sexual harassment in the workplace can have very serious consequences, not just for the harassed individual, but because of diminished organizational morale, there is the potential for impaired patient outcomes. Consequently, surgical institutions must have policies to actively prevent sexual harassment, and to address allegations of sexual harassment promptly and justly. This panel session will review what constitutes sexual harassment and present best practices in addressing harassment and investigating claims. Importantly, we will discuss evidence-based steps that institutions can take to create environments free of gender-based harassment.

Sexual Harassment 101: Understanding the Epidemiology and Etiology of a Chronic Disease

Nancy N. Baxter, MD, FACS, FRCSC, *Toronto, Ontario*

Crisis Management: Dealing with Sexual Harassment Effectively in Your Organization

Lisa K. Cannada, MD, *Jacksonville, FL*

From Every Day to Never Event: Tools to Change the Surgical Culture

Janet E. Tuttle Newhall, MD, MHA, FACS, *Greenville, NC*

From Bystander to Ally: Effective Tools to Engage Men

Thomas K. Varghese, Jr., MD, MS, FACS, *Salt Lake City, UT*

Sponsored by the Women in Surgery Committee and the Young Fellows Association

PS307 | 8:00-9:30 am

To Stent or Not to Stent?

Appropriateness of Endovascular Care



LOCATION: MW 3020-3022

TRACK(S): CTS, GEN, RUS, TRA, VAS

MODERATOR: Ourania A. Preventza, MD, FACS, *Houston, TX*

CO-MODERATOR: Matthew W. Mell, MD, FACS, *Sacramento, CA*

Stenting for all types of pathology has become a ubiquitous phenomenon throughout all areas of surgery. Endovascular therapy is especially important in adult cardiac and vascular surgery. On many occasions it may replace operative therapies, whereas in others, it can augment operative therapies.

Current Therapy for Blunt Thoracic Aortic Injury

Naveed Saqib, MD, FACS, *Houston, TX*

Management of Acute Type B Aortic Dissection in 2019

Ourania A. Preventza, MD, FACS, *Houston, TX*

Endovascular Repair (EVAR) for Ruptured Abdominal Aortic Aneurysm (AAA)

Matthew W. Mell, MD, FACS, *Sacramento, CA*

Current Endovascular Approach to Trauma Resuscitation

Ramyar Gilani, MD, FACS, *Houston, TX*

Carotid Stenting: What Is the Evidence in 2019?

Marc L. Schermerhorn, MD, FACS, *Boston, MA*

Endovascular Management of Mesenteric Ischemia

Bernardo Mendes, MD, *Rochester, MN*

Sponsored by the Advisory Council for Vascular Surgery and the Advisory Council for Cardiothoracic Surgery

PS308 | 8:00-9:30 am

Integrative Medicine for Surgical

Patients: East Meets West and Beyond



LOCATION: MS 154

TRACK(S): EDU, GEN, GER

MODERATOR: Bridget N. Fahy, MD, FACS, *Albuquerque, NM*

CO-MODERATOR: Myrick C. Shinall, MD, *Nashville, TN*

The opioid crisis has highlighted the need to develop alternative means of alleviating pain. Integrative medicine involves combining conventional and complementary medical therapies. Many patients utilize complementary therapies to treat their diseases. Allopathic surgical training rarely includes teaching on complementary medicine, leaving surgeons ill prepared to discuss these therapies as adjuncts or replacements for opioid analgesia. This session will review the available literature and the efforts of the National Center for Complementary and Integrative Health regarding evidence on indications, efficacy, and side effects of common therapies such as cannabis, acupuncture, relaxation techniques, and yoga. A panel discussion format will be used to discuss evidence-based recommendations for use of these complementary therapies.

Introduction

Bridget N. Fahy, MD, FACS, *Albuquerque, NM*

Review of National Center for Complementary and Integrative Health: Research and Resources
Myrick C. Shinall, MD, *Nashville, TN*

Cannabis and the Surgical Patient
Allison M. Barrett, MD, FACS, *Lancaster, PA*

Herbs and Supplements for Symptom Management
Ana Berlin, MD, FACS, *New York, NY*

Acupuncture, Yoga, Massage, and Other Complementary Therapies for Pain and Symptoms
Carla Kuon, MD, *San Francisco, CA*

Sponsored by the Committee on Surgical Palliative Care

PS309 | 8:00-11:15 am

Surgical Jeopardy

LOCATION: MS 205-208, 213-216

TRACK(S): GEN, RES-MED

MODERATOR: Mark W. Bowyer, MD, FACS, *Fairfax, VA*

Watch teams showcase their surgical knowledge by competing to answer surgical questions.

SURGICAL JEOPARDY JUDGES

David R. Arbutina, MD, FACS, *Port Matilda, PA*

Hari B. Keshava, MD, *New York, NY*

Cheyenne Sonntag, MD, *Hummelstown, PA*

James E. Wiedeman, MD, FACS, *Davis, CA*

James W. Cook, MD, FACS, *Falls Church, VA*

SURGICAL JEOPARDY TEAMS

ACS Delaware Chapter

Jennifer Bayron, MD, *Newark, DE*

Owen Glotzer, MD, *Newark, DE*

ACS Florida Chapter

Craig Elder, MD, *Gainesville, FL*

Russell B. Hawkins, MD, *Gainesville, FL*

ACS Italy Chapter

Cristiano Guidetti, MD, *Campogalliano, Italy*

Serena Musetti, MD, *Pisa, Italy*

ACS Kuwait Chapter

Sarah H. Alsafi, MBBS, *Bayan, Kuwait*

Fahad F. Alsaleh, MBBS, *Riyadh, Saudi Arabia*

ACS Nevada Chapter

Christopher F. McNicoll, MD, *Las Vegas, NV*

Minh Tri Nhat Pham, MD, *Las Vegas, NV*

ACS North Texas Chapter

Rushabh Dev, MD, *Lubbock, TX*

Michelle Estrada, MD, *Lubbock, TX*

ACS Ohio Chapter

Andrew Lichter, MD, *Dayton, OH*

Rachel C. Yuen, MD, *Dayton, OH*

ACS Puerto Rico Chapter

Yarret A. Robles, *Ponce, Puerto Rico*

Cesar C. Alicea, MD, *San Juan, Puerto Rico*

ACS Qatar Chapter

Ahmad G. M. Abutaka, MBBS, *Doha, Qatar*

Ali Taher Toffaha, MD, *Doha, Qatar*

ACS San Diego Chapter

Divya Sood, MD, *San Diego, CA*

Sean Flynn, MD, *San Diego, CA*

ACS South Florida Chapter

Vasiliy Ovakimyan, MD, *Miami, FL*

Samuel G. Ruiz, MD, *Miami Springs, FL*

ACS South Texas ACS Chapter

Thomas Muse, MD, *Temple, TX*

Carla J. Newton, *Temple, TX*

Anne Arundel Medical Center General Surgery Residency

Shyam S. Jayaraman, MD, *Annapolis, MD*

Abdel M. Mohamed Ali, MBBS, *Baltimore, MD*

Emory University

Brendan Lovasik, MD, *Atlanta, GA*

Mohammad Jajja, MBBS, *Atlanta, GA*

Hofstra Northwell General Surgery Residency Program

Naomi L. Denning, MD, *New Hyde Park, NY*

Michelle Kallis, MD, *New York, NY*

Kaweah Delta General Surgery Residency

Joshua Szykowski, MD, *Visalia, CA*

Kenny D. Lee, MD, *Visalia, CA*

Madigan Army Medical Center

Michael J. Derickson, MD, *Lacey, WA*

Cody J. Phillips, DO, *Tacoma, WA*

Methodist Dallas Surgery Residency Program

Christopher Percy, MD, *Dallas, TX*

Morgan Floyd, MD, *Dallas, TX*

Montefiore Medical Center

Jeffrey Lipman, MD, *Bronx, NY*

Faye H. Young Yu, MD, *Bronx, NY*

Saint Mary's Hospital

Amanda Fazzalari, MD, *Waterbury, CT*

Santosh Swaminathan, MBBS, *Newington, CT*

The Brooklyn Hospital Center

Young Lee, MD, *Brooklyn, NY*

Shogik Abramyan, MD, *Brooklyn, NY*

The University of Arizona

Winsor Chen, MD, *Tucson, AZ*

Steven A. Zimmerman, MD, *Tucson, AZ*

UCLA General Surgery Residency

Irmina Anna Elliott, MD, *Los Angeles, CA*

Amy Copeland, MD, *Washington, DC*

University of Arkansas for Medical Sciences

Garrett Klutts, MD, *Little Rock, AR*

Whitney Taylor, MD, *Little Rock, AR*

University at Buffalo

Arvind Manisundaram, MD, *Buffalo, NY*

Andrew Nordin, MD, *Getzville, NY*

University of California, Davis

Alicia A. Gingrich, MD, *Sacramento, CA*

Sarah Stokes, MD, *Sacramento, CA*

University of Connecticut

Ishna Sharma, MD, *Hartford, CT*

Mohammed Ali, MD, *West Hartford, CT*

University of Oklahoma General Surgery Program
Chance Nichols, MD, *Oklahoma City, OK*
Whitney T. Martin, MD, *Oklahoma City, OK*

University of Rochester
Ankit Patel, MD, *Rochester, NY*
Zhaomin Xu, MD, *Rochester, NY*

USU/Walter Reed General Surgery
Patrick F. Walker, MD, *Bethesda, MD*
William J. Parker, MD, *Beltsville, MD*

UT Southwestern Medical Center
Kali M. Kuhlenschmidt, MD, *Dallas, TX*
Caitlin A. Hester, MD, *Dallas, TX*

Washington University School of Medicine/Barnes Jewish Hospital
Matthew R. Schill, MD, *St. Louis, MO*

Jesse Davidson, MD, *St. Louis, MO* Sponsored by the Resident and Associate Society

PS310 | 9:45-11:15 am

Optimizing the Care of Mesenteric Ischemia



LOCATION: MW Ballroom

TRACK(S): CRS, GEN, TRA, VAS

MODERATOR: Daniel G. Clair, MD, FACS, *Columbia, SC*

CO-MODERATOR: Carlos V. Brown, MD, FACS, *Austin, TX*

There are a number of situations in which general and vascular surgeons must work cooperatively in the management of ischemic conditions involving the major abdominal viscera. This course will review the management of acute mesenteric ischemia, including both open thrombectomy and the role of catheter-based techniques. Techniques for assessment of bowel viability following revascularization will be reviewed. Complications of vascular interventions will be discussed, including ischemic colitis following open or endovascular repair of abdominal aortic aneurysm. The role of second-look laparotomy and the management of abdominal compartment syndrome in cases of mesenteric ischemia will be covered.

Diagnosis and Initial Medical Management
Ravi R. Rajani, MD, FACS, *Atlanta, GA*

Bowel Evaluation and Management
Andrew C. Bernard, MD, FACS, *Lexington, KY*

Role of Interventional Therapies for Revascularization
Zachary M. Arthurs, MD, *San Antonio, TX*

Role and Methods of Open Revascularization
Pedro G. Teixeira, MD, *Austin, TX*

Managing the Patient after Revascularization
Phillip J. Prest, DO, FACS, *Irmo, SC*

Mesenteric Venous Thrombosis: A Special Situation
Vincent L. Rowe, MD, FACS, *Los Angeles, CA*

Sponsored by the Advisory Council for Vascular Surgery

PS311 | 9:45-11:15 am

Upgrading Your Surgical Skills through Preceptorship



LOCATION: MS 154

TRACK(S): EDU, GEN, RUS

MODERATOR: Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*

CO-MODERATOR: Philip R. Schauer, MD, FACS, *Cleveland, OH*

There is a need for surgeons to learn operations and new technologies introduced after their surgery training. Failure to participate in Continuing Medical Education affects patient safety, referrals to the surgeon's practice, and may render the surgeon obsolete. Options for learning include Postgraduate Courses, industry-sponsored courses, simulation training, and direct surgical observation. A newer option is a preceptorship program. A preceptorship includes didactic education, supervised hands-on performance, and use of technologies. This program is typically sponsored by a hospital or academic center, often in another state. The panel session will review the outcomes of traditional learning experiences in the past, examples of newer operations and technologies to be learned, the role of preceptorships, and a review of how to assess and upgrade your surgical skills.

Opening Remarks

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*
Philip R. Schauer, MD, FACS, *Cleveland, OH*

Hazards of Learning New Surgical Skills

Conor P. Delaney, MCh, PhD, FACS, FASCRS, *Cleveland, OH*

Your Surgical Skills Are Obsolete Now and You Don't Know It
Philip R. Schauer, MD, FACS, *Cleveland, OH*

A Personal Experience with Preceptorship and Programs for New Skills Acquisition

Lori A. Alvord, MD, *Sunnyside, WA*

Options to Help You Upgrade Your Surgical Skills
Danny M. Takanishi, Jr, MD, FACS, *Honolulu, HI*

Discussion and Questions

Philip R. Schauer, MD, FACS, *Cleveland, OH*

Closing Remarks

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*

Sponsored by the Committee on Preceptorship for Practicing Surgeons

PS312 | 9:45-11:15 am

Nutrition: Overfeeding, Underfeeding, and No Feeding



LOCATION: MW 3014-3018

TRACK(S): GEN, RUS, TRA, VAS

MODERATOR: Keith R. Miller, MD, FACS, *Louisville, KY*

CO-MODERATOR: Robert Martindale, MD, FACS, *Portland, OR*

There have been multiple new studies that are forcing us to rethink our current practices. There are new data about route of delivery, timing, dose, and choice of nutritional agents in critically ill patients. Experts will be invited to present the data and propose practical recommendations about how to incorporate the new data into our practice.

Controversy and Intrigue in Critical Care Nutrition
Keith R. Miller, MD, FACS, *Louisville, KY*

Is Parenteral Nutrition Back in the Intensive Care Unit?
Robert Martindale, MD, FACS, *Portland, OR*

How Much Is Enough? Overfeeding, Underfeeding, and
No Feeding in the Intensive Care Unit
Laszlo N. Kiraly, MD, FACS, *Portland, OR*

Is Nutrition Therapy Alone Enough in Chronic Critical Illness?
Martin D. Rosenthal, MD, *Gainesville, FL*

Nutrition Support in the Setting of Obesity
Lena M. Napolitano, MD, FACS, *Ann Arbor, MI*

*Sponsored by the Committee on Trauma and the
Evidence-Based Reviews in Surgery*

PS313 | 9:45-11:15 am
**Surgeon's Role in Manipulating the
Microbiome to Improve Outcomes
following Cancer Surgery**



LOCATION: MW 3020-3022

TRACK(S): BTR, CRS, GEN, ONC

MODERATOR: John C. Alverdy, MD, FACS, *Chicago, IL*

CO-MODERATOR: Benjamin D. Shogan, MD, *Chicago, IL*

Cancer biology is increasingly being recognized as intimately influenced by the community structure, membership, and function of the microbiome local to the tumor environment. Practicing surgeons regularly manipulate the microbiome with the use of antiseptics, nutritional supplements, antibiotics, and bowel preparation solutions. The extent to which these empirical therapies are helpful or harmful is a subject of great controversy. The overall objective of this session is to provide the foundational science and its practical application to both surgeon-scientists and practicing clinicians with the goal of understanding and reducing complications following surgery.

Incorporating Microbiome Sciences in the Surgical
Management of Cancer
James M. Kinross, MBBS, FRCS, PhD,
London, United Kingdom

Bowel Prep, Diet, and Cancer Recurrence Following
Colorectal Surgery: The Role of the Microbiome
Benjamin D. Shogan, MD, *Chicago, IL*

How Examination of the Gut Microbiome Can Inform
the Surgical Management of Pancreatic Cancer
Ryan M. Thomas, MD, FACS, *Gainesville, FL*

Cancer Cells Shed into the Colon Lumen during Surgery
Enhance Their Metastatic Potential in the Presence of
Pathogenic Microbes
Ashley J. Williamson, MD, *Chicago, IL*

Sponsored by the Scientific Forum Committee

PS314 | 9:45-11:15 am

**Immunotherapy in the Treatment of
Solid Tumors: Emerging Roles of the Surgeon**



LOCATION: MS 301-302

TRACK(S): BTR, CRS, CTS, ONC

MODERATOR: Christina L. Roland, MD, MS, FACS, *Houston, TX*

CO-MODERATOR: Yi Qian N. You, MD, FACS, *Houston, TX*

Immunotherapy is being increasingly used in the treatment of solid tumors. Surgeons should understand its use in the adjuvant and neoadjuvant settings. This session will discuss emerging evidence and ongoing clinical trials with immunotherapeutic agents being used in adjuvant or neoadjuvant settings in solid tumors, including mismatch repair deficient colorectal cancer (adjuvant colon and neoadjuvant rectal cancer), sarcoma (neoadjuvant in combination radiation), melanoma (neoadjuvant intralesional injection), and lung cancer. This session will focus on the role surgeons play in the study design, tissue acquisition and analysis, and endpoint assessment for identifying potential surrogates for clinical outcomes. At the conclusion of this session, participants will understand the clinical indications for immunotherapy and how surgeons contribute to and lead clinical trials that incorporate immunotherapy.

Immunotherapy in the Treatment of Solid Tumors:
Emerging Roles of the Surgeon
Christina L. Roland, MD, MS, FACS, *Houston, TX*

Immunotherapy in the Treatment of Solid Tumors:
Emerging Roles of the Surgeon
Yi Qian N. You, MD, FACS, *Houston, TX*

Dissecting the Breast Tumor Microenvironment
George Plitas, MD, *New York, NY*

Melanoma and Immunotherapy: Expanding the Role of
Metastatectomy
Charlotte E. Ariyan, MD, PhD, FACS, *New York, NY*

Immunotherapy in the Treatment of Colorectal Cancer:
A Surgical Perspective
Rebecca Ann C. Auer, MD, FACS, FRCS, *Ottawa, Ontario*

Exploiting Oncolytic Viral Therapies to Treat
Non-Melanoma Malignancies
John H. Stewart, MD, MBA, FACS, *Chicago, IL*

*Sponsored by the ACS Clinical Research Program
Education Committee*

PS315 | 9:45-11:15 am

What's the Future for General Surgery?



LOCATION: MW 2006-2008

TRACK(S): GEN, TRA

MODERATOR: Zara Cooper, MD, FACS, *Boston, MA*

CO-MODERATOR: Allison J. Robinson, MD, FACS, *Bishop, CA*

General surgery is an increasingly fractured specialty with the great majority of general surgery residents opting for specialty fellowships. What is the future of general surgery? Will there be a role for a broadly trained general surgeon with a broad-based practice?

Introductions
Zara Cooper, MD, FACS, *Boston, MA*

What the World Needs Now...Training for Surgical Practice in Low- and Middle-Income Countries
Please see addendum and Clinical Congress App.

From Training to the Battlefield: Preparing Surgeons for Military Practice

Antonia J. Henry, MD, FACS, *San Diego, CA*

Location, Location, Location: A Training Paradigm for Rural Surgeons

Diana L. Farmer, MD, FACS, FRCS, *Sacramento, CA*

Keeping General Surgery General

Steven C. Stain, MD, FACS, *Albany, NY*

Putting It into Practice

Tyler G. Hughes, MD, FACS, *Salina, KS*

Questions and Answers

Allison J. Robinson, MD, FACS, *Bishop, CA*

Sponsored by the Advisory Council for General Surgery and the Advisory Council for Rural Surgery

PS316 | 9:45-11:15 am

The Challenges of Children: Supporting Surgical Trainees during Pregnancy and Beyond



LOCATION: MN 25

TRACK(S): EDU, GEN, RES-MED

MODERATOR: Kaitlin Ritter, MD, *Cleveland, OH*

CO-MODERATOR: Erika Rangel, MD, FACS, *Chestnut Hill, MA*

Embarking on parenthood is a daunting task for any young person, but it is compounded further for surgical trainees by their already taxing and demanding work schedules. This panel will explore the obstacles faced by surgical trainees (both female and male) as they entered into parenthood during their surgical residencies and how surgical programs can best support their residents. Perspectives will include trainees, program directors, surgical faculty, and leadership from the American College of Surgeons to discuss guidelines for parental leave, shortcomings of the current system, new models and practices being implemented across surgical programs, and the future direction of parental leave/support in modern American surgical training programs.

Introduction

Erika Rangel, MD, FACS, *Chestnut Hill, MA*

Current State of Pregnancy/Parenthood in Residency
Douglas S. Smink, MD, MPH, FACS, *Boston, MA*

Negative Impacts of Current Policies on Trainees
Sarah P. Shubeck, MD, MS, *Ann Arbor, MI*

Current Pregnancy/Paternal Leave Policies
Jo Buyske, MD, FACS, *Philadelphia, PA*

Current Changing Landscape: New Policies and Where We Still Need to Go

Kyla P. Terhune, MD, FACS, *Nashville, TN*

Panel Questions and Discussion

Kaitlin Ritter, MD, *Cleveland, OH*

Sponsored by the Resident and Associate Society and the Women in Surgery Committee

PS317 | 9:45-11:15 am

Highlights of the Multidisciplinary 2018 AAES Thyroidectomy Guidelines: An Expert Panel Discussion



LOCATION: MW 2002-2004

TRACK(S): GEN, OTO

MODERATOR: Christopher R. McHenry, MD, FACS, *Cleveland, OH*

CO-MODERATOR: David L. Steward, MD, FACS, *Cincinnati, OH*

Developed by American College of Surgeons surgeons after significant recent changes in the field, the multidisciplinary 2018 American Association of Endocrine Surgeons (AAES) Thyroidectomy Guidelines recommend best practices in topical areas for both benign and malignant thyroid disorders, including: the indications, extent, and conduct of thyroid surgery; the uses of imaging, adjuncts, and molecular testing; the applications of laryngology, nodal dissection, and reoperation; and the special management of hyperthyroidism, familial disease, goiter, and concurrent primary hyperparathyroidism. In an interactive, case-based format, a panel of guidelines authors will present the findings, discuss the challenges, and answer audience questions about this novel aid to the practicing surgeon.

Introduction: AAES Thyroidectomy Guidelines

Christopher R. McHenry, MD, FACS, *Cleveland, OH*

Introduction of Panelists

David L. Steward, MD, FACS, *Cincinnati, OH*

Initial Evaluation of a Thyroid Nodule

Carrie C. Lubitz, MD, FACS, *Boston, MA*

The Role of Molecular Testing for Evaluation of a Thyroid Nodule and an Indeterminate Fine-Needle Aspiration Biopsy

Linwah Yip, MD, FACS, *Pittsburgh, PA*

The Extent of Thyroidectomy for Low Risk Papillary Thyroid Cancer

Kepal N. Patel, MD, FACS, *New York, NY*

Case Discussions Highlighting Recommendations from the AAES Thyroidectomy Guidelines

Christopher R. McHenry, MD, FACS, *Cleveland, OH*

David L. Steward, MD, FACS, *Cincinnati, OH*

Sponsored by the Advisory Council for Otolaryngology-Head and Neck Surgery and the Advisory Council for General Surgery

PS318 | 9:45-11:15 am

#GlobalSurgery: Cross-Disciplinary Perspectives on Harnessing the Power of Social Media



LOCATION: MS 153

TRACK(S): HP, HUM, INT, TRA

MODERATOR: Marissa Boeck, MD, MPH, *San Francisco, CA*

CO-MODERATOR: Gigi F. Osler, MD, *Winnipeg, Manitoba*

Global estimates indicate more than 3 billion people use the Internet, meaning 42 percent of the world population. This growth begs the question whether global surgery and health care in general have realized how to harness social

media's power. Although connectivity levels, speeds, and devices vary by location, data show high access for all. Uses include improved surveillance, research, study recruitment, treatment follow-up, and increased health literacy, as well as networking, research, information access, education, and advocacy. These functionalities will be explored via speakers from various backgrounds exhibiting how social media breaks barriers, leading to increased connectivity, collaboration, and global impacts.

Organization: Social Media for Global Health
Lippi L. Doshi, MSPH, *Baltimore, MD*

Physician/Research
Jaymie A. Henry, MD, MPH, ICES, *Boca Raton, FL*

Organization: Facebook
Vaughn Hester, *San Francisco, CA*

Education
Brian P. Jacob, MD, FACS, *New York, NY*

Advocacy
Dominique Vervoort, MD, *Boston, MA*

Sponsored by Operation Giving Back and the Health Information Technology Committee

PS319 | 12:45-2:15 pm

Geriatric Trauma for the General Surgeon



LOCATION: MN 25

TRACK(S): GEN, NEU, ORT, RUS, TRA

MODERATOR: Deborah M. Stein, MD, MPH, FACS, FCCM, *San Francisco, CA*

CO-MODERATOR: Alicia J. Mangram, MD, FACS, *Phoenix, AZ*

Geriatric trauma patients make up a large portion of current trauma patients. For many Level I, II, and III centers, geriatric trauma patient falls make up a significant burden to the trauma facilities. If done well, taking care of this population becomes a pleasure and not a burden. This session will give practical information in managing these patients that does not increase the cost of care, but actually decreases the cost and has better outcomes.

Introductions

Deborah M. Stein, MD, MPH, FACS, FCCM, *San Francisco, CA*

Geriatric Traumatic Brain Injury

Rajesh R. Gandhi, MD, PhD, FACS, *Fort Worth, TX*

Geriatric Hip Fractures

Jody C. DiGiacomo, MD, FACS, *East Meadow, NY*

Geriatric Rib Fractures

Alicia J. Mangram, MD, FACS, *Phoenix, AZ*

Case Presentations and Panel Discussion

Deborah M. Stein, MD, MPH, FACS, FCCM, *San Francisco, CA*

Sponsored by the Committee on Trauma and the Task Force on Geriatric Surgery

PS320 | 12:45-2:15 pm

Minimally Invasive Endocrine Surgery: Is It Worth It?



LOCATION: MS 301-302

TRACK(S): GEN, OTO

MODERATOR: Raymon H. Grogan, MD, MS, FACS, *Houston, TX*

CO-MODERATOR: Jonathon O. Russell, MD, *Baltimore, MD*

Minimally invasive surgery continues to evolve in the realm of endocrine surgery. Thyroid and parathyroid surgery can be performed through tiny incisions. Scarless thyroid surgery can be performed through axillary and chest incisions or endoscopically. Adrenalectomy can be performed laparoscopically via a transabdominal or retroperitoneoscopic approach. These surgeries can also be performed robotically. This session will provide an overview of the minimally invasive approaches to endocrine surgery and review the outcomes (costs, recovery, complications, recurrence for cancer, patient satisfaction) of each procedure.

Transoral Endocrine Surgery: Perceptions, Value, and Future Considerations

Insoo Suh, MD, FACS, *San Francisco, CA*

Remote Access Endocrine Surgery: What Is Its Role in the Era of Transoral Endocrine Surgery?

Hyunsuk Suh, MD, FACS, *New York, NY*

High-Intensity Focused Ultrasound and Radiofrequency Ablation: Is This the Future of Thyroid and Parathyroid Surgery?

Brian H. Lang, MBBS, MS, FRACS, *Hong Kong, China*

Single-Port Laparoscopic Adrenalectomy: What Is the Added Value?

Masha Livhits, MD, *Los Angeles, CA*

Sponsored by the Advisory Council for Otolaryngology-Head and Neck Surgery and the Advisory Council for General Surgery

PS321 | 12:45-2:15 pm

Is My Patient Going to Die? Integrating Calculations in Surgical Planning



LOCATION: MW 2006-2008

TRACK(S): ETH, GEN, GER

MODERATOR: Erika R. Ketteler, MD, FACS, *Albuquerque, NM*

CO-MODERATOR: Thomas J. Miner, MD, FACS, *Providence, RI*

Perioperative discussions are based upon surgeons providing information to patients required to facilitate informed decision making. Risk calculators are increasingly being promoted as a key component of shared decision making to help patients and families understand the risks of perioperative morbidity and mortality. However, these calculators only address one aspect of preoperative planning and do not routinely incorporate disease specific parameters. This Panel Session will review prognostication tools such as frailty indices, *eprognosis.org*, palliative performance scale, and the Karnofsky performance score which can be incorporated into standard perioperative discussions. A panel discussion format will be used to illustrate use of these prognostication tools into preoperative discussions using

case-based examples. Participants will be provided practical tools for enhancing perioperative discussions to enhance goal concordant care.

Introduction

Erika R. Ketteler, MD, FACS, *Albuquerque, NM*

Thomas J. Miner, MD, FACS, *Providence, RI*

Determining the Value of Palliative Interventions

Thomas J. Miner, MD, FACS, *Providence, RI*

Specialty Specific Calculations: Show Me the Data for Acute Care Surgery

Annie Moore, MD, *Albuquerque, NM*

Specialty Specific Calculations: Show Me the Data for Surgical Oncology

Andrew M. Blakely, MD, *Pasadena, CA*

Specialty Specific Calculations: Show Me the Data for Vascular Surgery

Sherry L. Cavanagh, MD, *Grand Blanc, MI*

Is It Really Just All about Trajectory?

Erika R. Ketteler, MD, FACS, *Albuquerque, NM*

Sponsored by the Committee on Perioperative Care and the Committee on Surgical Palliative Care

PS322 | 12:45-2:15 pm

Surgery for Children: Who Can We Keep in the Rural Community?



LOCATION: MS 154

TRACK(S): GEN, PED, RUS

MODERATOR: Karen E. Deveney, MD, FACS, *Portland, OR*

CO-MODERATOR: Lena Perger, MD, FACS, *Peralta, NM*

The availability of basic surgical services for children is variable across the U.S. and many retiring general surgeons who safely operate on some children have no succession plan. This session provides information about which pediatric surgical procedures are being done by general surgeons in hospitals across the U.S. and which might be safely done with additional training and resources. The session will outline strategies that might be used now and in the future to achieve the desired outcome of safe surgery for children at the right place, at the right time, closest to home. These include, but are not limited to, enhanced Continuing Medical Education, telehealth services, and additional pediatric surgery rotations for rural surgeons in training.

Overview of the Problem: Who Will Care for the Kids?

Mary E. Fallat, MD, FACS, *Louisville, KY*

Where Are All the Pediatric Surgeons?

William T. Adamson, MD, FACS, *Chapel Hill, NC*

Surgery for Children in the Rural Community

Mohan K. Rao, MD, FACS, *Madisonville, KY*

Surgery for Children in the Rural Community—Texas Style

Robert S. Viney, MD, FACS, *Midland, TX*

More Than One Way to Skin a Cat

Kenneth S. Azarow, MD, FACS, FAAP, *Portland, OR*

Sponsored by the Advisory Council for Rural Surgery and the Advisory Council for Pediatric Surgery

PS323 | 12:45-2:15 pm

Should Surgeons Care for Their Family Members?



LOCATION: MS 303-304

TRACK(S): ETH, RUS

MODERATOR: Fabrizio Michelassi, MD, FACS, *New York, NY*

CO-MODERATOR: Matthew B. Rossi, MD, FACS, *Hopedale, IL*

Physicians have been discouraged from providing medical care to their family members. Yet, physicians may feel obliged to become involved in their care. Family members may feel more comfortable asking a physician family member for care. Can the emotional attachment lead to inadequate objectivity assessing conditions? Can altered objectivity compromise treatment? What are the consequences to patient autonomy, privacy, and the ability to give informed consent? What is the emotional toll when adverse events occur? Most agree that in the case of a life-threatening emergency and the absence of an appropriately trained surgeon, a physician should not hesitate to provide care, yet how do we ensure exceptions are not abused? How should surgeons act when family members are cared for by surgeons of the same specialty?

Does Severity of Illness Influence Whether to Operate on a Relative?

Peter Angelos, MD, FACS, *Chicago, IL*

Does Convenience of Routine Care Delivery Influence Whether to Operate on a Relative?

Sharmila Dissanaik, MD, FACS, FCCM, *Lubbock, TX*

Does Geographic Distance for Care Delivery Influence Whether to Operate on a Relative?

Scott B. Grant, MD, MBE, *Somers, NY*

Does Exceptional Competence Influence Whether to Operate on a Relative?

Mark C. Weissler, MD, FACS, *Chapel Hill, NC*

Sponsored by the Committee on Ethics and the Advisory Council for General Surgery

PS324 | 12:45-2:15 pm

Strategic Advocacy: How to Do It



LOCATION: MS 205-208, 213-216

TRACK(S): GEN, HP

MODERATOR: John H. Armstrong, MD, FACS, *Ocala, FL*

CO-MODERATOR: James W. Gigantelli, MD, FACS, *Huntington, WV*

Medicare payment, opioid prescription, and graduate medical education: the government regularly sets policies that affect surgical practice. How can surgeons be effective in shaping legislative and regulatory policies? In this session, participants will apply the nine-point American College of Surgeons (ACS) strategic advocacy framework to specific policy issues affecting optimal surgical care. Following an initial 30-minute interactive discussion, participants will work with a faculty member in small groups to create an action plan for a specific issue (selected from a menu). Each group will then present its action plan to all course participants and faculty. Strategic planning skills will be emphasized.

Strategic Advocacy in 10 Questions

John H. Armstrong, MD, FACS, *Ocala, FL*

Applying Strategic Advocacy: Firearms

Christian Shalgian, *Washington, DC*

Applying Strategic Advocacy: Unanticipated Medical Bills

Patrick V. Bailey, MD, FACS, FAAP, *Washington, DC*

Applying Strategic Advocacy: Changing Evaluation and Management (E&M) Codes

Vinita Ollapally, *Washington, DC*

Lessons in Strategic Advocacy

James W. Gigantelli, MD, FACS, *Huntington, WV*

Sponsored by the Committee on Surgical Skills Training for Practicing Surgeons, the Legislative Committee, and the Health Policy and Advocacy Group

PS332 | 12:45-2:15 pm
Transition from Medical School to Residency: Are We Preparing Our Medical Students Adequately?


LOCATION: MW 2002-2004

TRACK(S): RES-MED

MODERATOR: Celia M. Divino, MD, FACS, *New York, NY*CO-MODERATOR: Daniel L. Dent, MD, FACS, *San Antonio, TX*

To facilitate the transition of medical students to surgery residency programs, teaching tools that have been developed include prep curricula, boot camps, and test assessments. Longitudinal outcomes have shown improved performance in the clinical arena. This session will provide attendees with an overview of existing educational interventions, discuss outcomes, and address future initiatives.

Introduction

Celia M. Divino, MD, FACS, *New York, NY*

American College of Surgeons (ACS) Perspective

Ajit K. Sachdeva, MD, FACS, FRCS, FSACME, *Chicago, IL*

The American College of Surgeons, the Association of Program Directors in Surgery, and the Association for Surgical Education Prep Curriculum

Keith A. Delman, MD, FACS, *Atlanta, GA*

Transition from Medical School: Dean's Perspective

Henri R. Ford, MD, MHA, FACS, FAAP, FRCS(Eng)(Hon), *Miami, FL*

Program Director's Perspective

Amy N. Hildreth, MD, FACS, *Winston-Salem, NC*

Resident Perspective

M. Victoria P. Miles, MD, *Chattanooga, TN*

Sponsored by the Committee on Resident Education

PS325 | 12:45-4:00 pm
The College's International Scholars and Travelers 2019

LOCATION: MS 153

TRACK(S): GEN, INT

MODERATOR: Cristina R. Ferrone, MD, FACS, *Boston, MA*CO-MODERATOR: Norbert Senninger, MD, FACS, *Muenster, Germany*

For more than 50 years, the College has provided Clinical Congress scholarships to meritorious young international

surgeons. The 2019 International Scholars and Traveling Fellows will make brief presentations about their research or practice, or the art and science of surgery in their home countries. The International Guest Scholars, International Surgical Education Scholars, and the Exchange Fellows from Australia, New Zealand, Germany, and Japan will provide their U.S., Canadian, and international colleagues in the audience with greater insight into the practice of surgery in many countries and under varying circumstances.

Building Capacity for Breast Surgery: Competency-Based Training Program

María A. Rueda, MD, PhD, FACS, *Caracas, Venezuela*

Vascular Trauma in the Amazon: Updating the Challenge

Adenauer M. Goes, MD, *Belem, Brazil*

Initial Experience with Laparoscopic and Robotic Hepatopancreatobiliary Surgery: Experience of an Early Adopter in Southeast Asia with 315 Consecutive Cases from 2012- 2018

Brian K. Goh, MBBS, MMed, MSc, FRCS(Ed), *Singapore, Singapore*

Trauma in Australia: Same but Different

Jeremy M. Hsu, MBBS, FACS, *Gladesville, Australia*

Challenges in Initiation of a Minimally Invasive Thoracic Surgery Program (VATS-Video-Assisted Thoracoscopic Surgery) in a University Department: The First 100 Cases Experience

Konstantinos Kostopanagiotou, MD, *Athens, Greece*

Orthopaedic Surgery in Nigeria (Sub-Saharan Africa): Challenges and Prospects

Michael B. Ode, MBBS, FWACS, *Jos, Nigeria*

Surgery for Borderline and Locally Advanced Pancreatic Cancer

Elena B. Rangelova, MD, *Stockholm, Sweden*

Chronic Moderate Ischemic Mitral Regurgitation at the Time of Coronary Artery Bypass Grafting (CABG): Decision-Making Strategy

Salah Eldien I. Altarabsheh, MBBS, FACS, *Amman, Jordan*

Development of Trauma Care Education Programs in Zaragoza, Spain

Carlos Yáñez Benítez, MD, FACS, *Zaragoza, Spain*

Outcomes of Congenital Surgical Anomalies in the 21st Century

Patrick Ho Yu Chung, MBBS, MS, FRCS, *Hong Kong, China*

Concept of Safe Cholecystectomy: ABCD and Beyond

Vishal Gupta, MBBS, MS, MCh, *Lucknow, Uttar Pradesh India*

Assembly and Function of an Engineered Liver Graft Generated Solely from Human-Induced Pluripotent Stem Cells Toward Autologous Liver Transplantation

Kazuki Takeishi, MD, PhD, *Kyushu, Japan*

How to Build the University Hospital of the Future?

Improving Teaching through Simulation Science

Diego L. Fernandez, MD, *Buenos Aires, Argentina*

Role of Blood-Based Biomarkers as Prognostic Indicators in Patients with Breast Cancer

Nikhil Gupta, MBBS, FACS, *Delhi, India*

Temporary Abdominal Closure after the Trauma Laparotomy Perspectives and Challenges in Nigeria
Oyintonbra F. Koroye, MBBS, FACS, *Bayelsa State, Nigeria*

Community Surgeons Travel Awardees
Mary M. Ajiko, MD, *Soroti, Uganda*
Karen H. Dalmacio, MD, *Iloilo City, Philippines*
Mohammad R. Fazli, MD, *Herat, Afghanistan*
Adrian M. Seifert, MD, *Dresden, Germany*

Sponsored by the International Relations Committee

PS326 | 2:30-4:00 pm

Sports Hernia: Have We Defined It, Decided How to Diagnose It, and Determined the Optimal Treatment?

LOCATION: MS 205-208, 213-216

TRACK(S): GEN, RUS

MODERATOR: John B. Hanks, MD, FACS, *Charlottesville, VA*
CO-MODERATOR: David L. Berger, MD, FACS, *Boston, MA*

Sports hernia remains a controversial topic for general surgeons. The general surgeon who is confronted with a patient with inguinal pain and no obvious hernia on the physical exam needs to be aware of options for evaluation and treatment. While there is no clear-cut consensus on management, several areas have been developed with successful results. Yet the question remains: how do we define the problem and the optimal methods for imaging and diagnosing it? What is the optimal surgical (or nonsurgical) treatment?

Introduction

John B. Hanks, MD, FACS, *Charlottesville, VA*

Sports Hernia: It Is Real and Here's Why

Katherine G. Lamond, MD, FACS, *Chevy Chase, MD*

Open Repair: Options for Treatment

L. Michael Brunt, MD, FACS, *St. Louis, MO*

Adductor Issues: A Contributing Factor?

David L. Berger, MD, FACS, *Boston, MA*

Laparoscopic Approaches: A Reasonable Alternative?

David S. Edelman, MD, FACS, *Miami, FL*

Thailand Chapter Scholars

Pawan Krainara, MD, *Krabi, Thailand*

Pornthip Rattanadechapitak, MD, *Khon Kaen, Thailand*

Sponsored by the Advisory Council for General Surgery

PS327 | 2:30-4:00 pm

What's New in the Management of Pancreatic Cancer?

LOCATION: MW 3014-3018

TRACK(S): GEN, ONC

MODERATOR: Robert C. Martin, MD, FACS, *Louisville, KY*
CO-MODERATOR: Vinod Balachandran, MD, FACS, *New York, NY*

Though a deadly disease, there have been numerous advances in the care of the pancreatic cancer patient. This session will cover the latest information in imaging the patient preoperatively, the use of neoadjuvant therapy, and new techniques in surgery.

Surgical Quality in Pancreatectomy: Whipple and Distal Pancreatectomy

Syed A. Ahmad, MD, FACS, *Cincinnati, OH*

The Use of Molecular Subtyping: Should All Newly Diagnosed Pancreatic Ductal Adenocarcinoma (PDA) undergo Subtyping?

Jen Jen Yeh, MD, FACS, *Chapel Hill, NC*

Pancreatectomy Technique: Robotic vs. Lap vs. Open
Steven J. Hughes, MD, FACS, *Gainesville, FL*

Surgeons and Pancreatic Cancer Clinical Trials:

How to Lead and Initiate a Pancreatic Clinical Trial
David K. Chang, MD, *Glasgow, United Kingdom*

Sponsored by the Advisory Council for General Surgery and the Commission on Cancer

PS328 | 2:30-4:00 pm

The Surgeon's Role in Solving the Opioid Crisis

LOCATION: MS 303-304

TRACK(S): EDU, GEN, HP, RES-MED, RUS

MODERATOR: Christine Laronga, MD, FACS, *Tampa, FL*
CO-MODERATOR: Patricia M. Byers, MD, FACS, *Coral Gables, FL*

Introduction of pain as the fifth vital sign has contributed to the opioid crisis as a consequence of increased focus by health care workers and unrealistic expectations by patients. Surgeons need to better understand the opioid crisis and their role in it (~3 percent of acute surgical patients get addicted to opioids). Solutions rest in awareness, education, and prevention. The first step is creation and implementation of an ERAS (Enhanced Recovery After Surgery) multimodality pain pathway guideline for ambulatory/inpatient surgery. Second, education of trainees, practicing surgeons, and patients about multimodality pain management will aid in meeting patient expectations and minimize reliance on opioid treatment for pain. Finally, surgeons must have a voice about mandates regarding Continuing Medical Education training for license renewal and legislation aimed at limiting narcotic prescriptions (quantity/formulation/duration) that affect patient safety and satisfaction.

The Opioid Crisis: How Did We Find Ourselves Here?

Jill Q. Dworsky, MD, MS, *Los Angeles, CA*

Perioperative Pain Management in Ambulatory Abdominal Surgery

Lina Hu, MD, *Chicago, IL*

Future Directions: Train the Trainees and Educate the Surgical Community

Anna C. Beck, MD, *Iowa City, IA*

Partnering with Patients to Solve the Opioid Crisis

Terry Sarantou, MD, FACS, *Charlotte, NC*

Easing the Pain: A Grassroots Perspective on Opioid Legislation

Patricia M. Byers, MD, FACS, *Coral Gables, FL*

Sponsored by the Board of Governors Best Practices Group and the Board of Governors Grassroots Advocacy Engagement Workgroup



PS329 | 2:30-4:00 pm**Diversity Matters**

LOCATION: MW 2006-2008

TRACK(S): EDU, RES-MED

MODERATOR: Amelia C. Grover, MD, FACS, *Richmond, VA*CO-MODERATOR: David T. Cooke, MD, FACS, *Sacramento, CA*

From the pipeline to the ivory tower, diversity matters. The workforce and our patient populations are becoming increasingly diverse. Diversity in leadership and the ability to communicate with competence to a heterogeneous group is critical to an organization's success. It also increases the ability of an organization to adapt to changes. It has been shown that diverse groups produce better results and demonstrate higher productivity and more creative problem-solving abilities. Harnessing the power of diversity requires a culture of inclusivity and cultural competency so that individuals can feel heard and have a voice. Identification of systemic gaps in creating this environment is critical. We will highlight leaders in the surgical workforce who've built diverse and inclusive organizations.

Introduction

Amelia C. Grover, MD, FACS, *Richmond, VA*

Diversity and Inclusion: The Return on Investment

David T. Cooke, MD, FACS, *Sacramento, CA*

Please see addendum and Clinical Congress App.

Andre R. Campbell, MD, FACS, *San Francisco, CA*

Promoting a Departmental Culture of Diversity and Inclusion

Herbert Chen, MD, FACS, *Birmingham, AL*

The Intersectional Challenges of Achieving Equity

Michaela A. West, MD, PhD, FACS, *Minneapolis, MN*

Vignettes and Questions

Amelia C. Grover, MD, FACS, *Richmond, VA*

Sponsored by the Committee on Diversity Issues and the Women in Surgery Committee

PS330 | 2:30-4:00 pm**Management of Hereditary Endocrine Syndromes**

LOCATION: MW 2002-2004

TRACK(S): GEN

MODERATOR: Elizabeth G. Grubbs, MD, FACS, *Houston, TX*CO-MODERATOR: Paxton V. Dickson, MD, FACS, *Germantown, TN*

The importance of recognizing a possible hereditary endocrine syndrome at the time of initial diagnosis is key to the appropriate management of these relatively rare disorders, which include multiple endocrine neoplasia I, multiple endocrine neoplasia II, pheochromocytoma paraganglioma syndromes, hereditary forms of hypercalcemia, and familial forms of thyroid cancer. This panel session will

highlight pertinent specific points related to the diagnosis and work-up (including genetic counseling and testing), management strategies, surgical approaches, and follow-up of these diverse clinical syndromes.

Introduction

Elizabeth G. Grubbs, MD, FACS, *Houston, TX*Paxton V. Dickson, MD, FACS, *Germantown, TN*

Well-differentiated Thyroid Cancer and Medullary Thyroid Cancer

Electron Kebebew, MD, FACS, *Palo Alto, CA*

Hyperparathyroidism

Tracy S. Wang, MD, FACS, *Milwaukee, WI*

Pheochromocytoma and Paraganglioma

Consideration of Hereditary Syndromes in Patients who Present with Endocrine Neoplasia: The Genetic Counselor's Perspective

Samuel Hyde, MMSc, CGC, *Houston, TX*

Sponsored by the Advisory Council for General Surgery

PS331 | 2:30-4:00 pm**Blood Product Transfusion: The Sum of the Parts Is Greater Than the Whole—Or Is It?**

LOCATION: MS 301-302

TRACK(S): BTR, GEN, TRA

MODERATOR: Karen J. Brasel, MD, FACS, *Portland, OR*CO-MODERATOR: Matthew D. Neal, MD, FACS, *Pittsburgh, PA*

Transfusion strategies for hemorrhagic shock have changed dramatically over the past decade. Ideal transfusion ratios of packed red blood cells, fresh frozen plasma, and platelets are now appreciated based upon research from military and civilian trauma. Evolving research on transfusion based upon functional assays of clotting (visco-elastography) are guiding blood component therapy. Additional research suggests the benefit of whole blood transfusion instead of component therapy. Furthermore, the benefit of prehospital fresh frozen plasma in trauma to reduce mortality is only recently recognized. The purpose of this symposia is to highlight recent and ongoing research on transfusion medicine that is guiding clinical transfusion for hemorrhagic shock.

Whole Blood Transfusion

Bryan A. Cotton, MD, MPH, FACS, *Houston, TX*

Prehospital Blood Product Transfusion in the Military

Stacy A. Shackelford, MD, FACS, *Fort Sam Houston, TX*

Blood Product Resuscitation in Pediatric Patients

Barbara A. Gaines, MD, FACS, *Pittsburgh, PA*

Prehospital Plasma Resuscitation

Jason L. Sperry, MD, MPH, FACS, *Pittsburgh, PA*

Sponsored by the Committee on Trauma and the Surgical Research Committee

PS339 | 2:30-4:00 pm**Topics in Advocacy**

LOCATION: MN 25

TRACK(S): HP

MODERATOR: Patrick V. Bailey, MD, FACS, FAAP,
*Washington, DC*CO-MODERATOR: Frank G. Opelka, MD, FACS,
Washington, DC

This panel will explore new requirements for surgeons participating in Medicare and other federal programs. Learn how the American College of Surgeons is responding to these new requirements and what surgeons must do in order to participate.

Please see addendum and Clinical Congress App.

*Sponsored by the Program Committee***PS333** | 4:15-5:45 pm**Negotiating Skills: More Than Just Your Contract**

LOCATION: MS 306-308

TRACK(S): GEN, NEU, RES-MED, RUS

MODERATOR: Nicolas J. Mouawad, MD, FACS, *Bay City, MI*CO-MODERATOR: Rebecca Hoffman, MD, *St. Louis, MO*

This Residence and Associate Society-sponsored Initiates Panel Session is repeated each year. In order to make these sessions more appealing, we have made an effort to come up with sessions that can give useful tips for the new surgeon. This panel will focus on contract negotiation from clinical hours to research, RVUs (Relative Value Units), and academic.

Negotiating for Your Career: What Should Matter
Julie A. Freischlag, MD, FACS, *Winston-Salem, NC*

Negotiating for Your Wellness: Burnout Prevention
Jeffrey Mark Smith, MD, FACS, CPC, *San Diego, CA*

Negotiating Skills: Tips and Techniques to be Effective
Fernando Lamounier, MD, FACS, *Denver, CO*

*Sponsored by the Resident and Associate Society and the Young Fellows Association***PS334** | 4:15-5:45 pm**Depression and Suicide Prevention for Surgeons**

LOCATION: MW 2002-2004

TRACK(S): GEN

MODERATOR: Oliver L. Gunter, MD, FACS, *Nashville, TN*CO-MODERATOR: Jacob Moalem, MD, FACS, *Rochester, NY*

The economic burden of a surgical career, the debt obtained during training, increased demand for Relative Value Unit production, decreased time with patients, and increased nonconstructive scrutiny from administrative institutions are reasons that have decreased the job satisfaction for surgeons. Depression and suicide are preventable, especially when they are due to burnout. The session will focus on defining the problem and offering solutions for these issues.

Depression and Suicide Prevention for Surgeons:

A Communal Responsibility

Jacob Moalem, MD, FACS, *Rochester, NY*

Suicide and Depression in Surgeons: Hiding in Plain Sight

Oliver L. Gunter, MD, FACS, *Nashville, TN*

Graduate Medical Education (GME) Perspective: Helping Residents and Trainees at Risk

Cynthia L. Talley, MD, FACS, *Charleston, SC*

Employee Assistance Programs: The Spectrum of Support

for Health Care Providers from an Institutional Level

Mary Yarbrough, MD, MPH, FACOEM, *Nashville, TN**Sponsored by the Young Fellows Association***PS335** | 4:15-5:45 pm**Extra Corporeal Life Support (ECLS): What's the Role in Trauma?**

LOCATION: MW 2006-2008

TRACK(S): CTS, GEN, TRA

MODERATOR: Samuel A. Tisherman, MD, FACS, *Baltimore, MD*CO-MODERATOR: Aaron M. Cheng, MD, FACS, *Seattle, WA*

In the early 21st century, new technology, combined with a flu pandemic, led to a rapid rise in adult ECLS use. This growth has led to increased use of ECLS in trauma patients with success rates as high as 79 percent. The goals of this program will be to: describe the modern indications for ECLS in trauma patients and introduce and explore the frontiers of ECLS in trauma, including hypothermic arrest with ECLS-assisted reanimation, ECLS support in organ donation, and ECPR (Extracorporeal Cardiopulmonary Resuscitation). According to ELSO (Extracorporeal Life Support Organization) data in 2017, there are over 350 ECLS centers, up from 134 in 2007, a more than 200 percent increase. This technology is rapidly being deployed in trauma and surgical patients and surgeons must be ready to manage it.

Introductions

Samuel A. Tisherman, MD, FACS, *Baltimore, MD*

Aaron M. Cheng, MD, FACS, *Seattle, WA*

Venovenous ECMO Trauma

Ronald B. Tesoriero, MD, FACS, *Baltimore, MD*

ECMO Transport for Comprehensive Care Center (CCC)

David Zonies, MD, MPH, FACS, *Portland, OR*

Extracorporeal Cardiopulmonary Resuscitation

Melissa E. Brunsvold, MD, FACS, *Minneapolis, MN*

Can Hypothermia Save Exsanguinating Trauma Patients?

Samuel A. Tisherman, MD, FACS, *Baltimore, MD*

Sponsored by the Advisory Council for Cardiothoracic Surgery and the Committee on Trauma

PS336 | 4:15-5:45 pm

The Current Status of Fetal Interventions for Congenital Anomalies



LOCATION: MS 301-302

TRACK(S): CTS, OBG, PED, URO

MODERATOR: Oluyinka O. Olutoye, MBChB, FACS, *Houston, TX*

CO-MODERATOR: Hanmin Lee, MD, FACS, *San Francisco, CA*

This panel of experts will address the climate surrounding fetal intervention for congenital anomalies. The topics will include discussions involving cystic lung lesions, teratomas, or other masses leading to hydrops, urologic disorders, and myelomeningocele.

Please see addendum and Clinical Congress App.

Sponsored by the Advisory Council for Pediatric Surgery

PS337 | 4:15-5:45 pm

Contemporary Trauma Controversies: Panel Debate



LOCATION: MS 205-208, 213-216

TRACK(S): GEN, RUS, TRA

MODERATOR: Christine S. Cocanour, MD, FACS, *Sacramento, CA*

CO-MODERATOR: Kenji Inaba, MD, FACS, *Los Angeles, CA*

There are many controversial topics in trauma, where expert opinions and traditions, rather than scientific evidence, dictate how patients are managed. Three controversial topics will be tackled by six experts in the field, each debating opposite sides of the argument. The goal of the session is to highlight several clinical scenarios where there

remains controversy over the optimal management plan.

The session will provide a succinct summary of the rationale behind both sides of the debate and result in a practical take-home resolution for each of these difficult clinical questions.

Please see addendum and Clinical Congress App.

Sponsored by the Committee on Trauma

PS338 | 4:15-5:45 pm

Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics



LOCATION: MS 303-304

TRACK(S): BTR, EDU, GEN

MODERATOR: L.D. Britt, MD, MPH, DSc(Hon), FACS, FCCM, FRCSEng(Hon), FRCSEd(Hon), FWACS(Hon), FRCSI(Hon), FCS(SA)(Hon), FRCSGlasg(Hon), *Norfolk, VA*

This session will address the National Institute on Minority Health and Health Disparities (NIMHD)-funded Metrics for Equitable Access and care in Surgery (MEASUR) project, a collaboration led by the American College of Surgeons (ACS) that includes Eastern Virginia Medical School, Brigham and Women's Hospital, the National Quality Forum, and University of California Los Angeles. Through research and expert consensus, MEASUR will identify and develop measures that capture disparities in access and across the five phases of surgical care, facilitating the development of targeted interventions to eradicate surgical disparities. The project's vision is to ensure optimal access and equitable health care, for all surgical patients, in every setting, across the entire continuum of care. The goal of the session is to inform participants of the development of disparity-sensitive metrics and its effect on surgical practice and policy.

Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics

Adil H. Haider, MBBS, FACS, *Boston, MA*

Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics

Helen Burstin, MD, MPH, MACP, *Washington, DC*

Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics

David H. Perrott, MD, FACS, *Sacramento, CA*

Sponsored by the Committee on Health Care Disparities

Thursday, October 31

PS401 | 8:00-9:30 am

Ten Hot Topics in General Surgery



LOCATION: MS 205-208, 213-216

TRACK(S): GEN, RUS, TRA

MODERATOR: Kenneth W. Sharp, MD, FACS, *Nashville, TN*

CO-MODERATOR: E. Christopher Ellison, MD, FACS, *Powell, OH*

This rapid-fire/quick-shot session will cover ten currently popular issues in general surgery.

Bullet Removal: Pros and Cons

John A. Weigelt, MD, DVM, FACS, *Lead, SD*

Nipple-Sparing Mastectomy: Use and Indications

Raeshell S. Sweeting, MD, *Nashville, TN*

Troubleshooting Surgical Staple Failure and Malfunction

Jon C. Gould, MD, FACS, *Milwaukee, WI*

Laparoscopic Common Duct Exploration

Dana A. Telem, MD, MPH, FACS, *Ann Arbor, MI*

Extremity Lumps and Bumps

Valerie P. Grignol, MD, FACS, *Columbus, OH*

Update on Transverse Abdominus Release for Ventral Hernia

Bruce Ramshaw, MD, FACS, *Knoxville, TN*

Recurrent Rectal Prolapse: What to Do?

Alexander T. Hawkins, MD, MPH, *Nashville, TN*

The Case for Robotics in Rural Surgery

Jared M. Slater, MD, FACS, *Victoria, MN*

Optimal Surgical Treatment or Type II Diabetes:

Gastric Sleeve or Bypass?

Jonathan Carter, MD, *San Francisco, CA*

Transoral Thyroidectomy: Ready for Prime Time

Gustavo G. Fernandez Ranvier, MD, PhD, FACS, *Long Island City, NY*

Sponsored by the Advisory Council for General Surgery

PS402 | 8:00-9:30 am

Ten Hot Topics in Surgical Patient Safety



LOCATION: MS 301-302

TRACK(S): GEN, RUS, TRA

MODERATOR: Douglas J. Schuerer, MD, FACS, *St. Louis, MO*

CO-MODERATOR: Bruce A. Crookes, MD, FACS, *Charleston, SC*

This session will provide a comprehensive overview of the important emerging evidence in improving surgical outcomes. The panelists will present a brief description of the problem posed by their topic and potential interventions that may reduce the risk and improved outcomes. The 10 proposed topics to be covered include: diabetes, malnutrition, frailty, delirium, coronary stents, smoking, obstructive sleep apnea, steroids, goal directed fluid therapy, and transfusion.

Introduction

Bruce A. Crookes, MD, FACS, *Charleston, SC*

Diabetes and Malnutrition

Ashley Hink, MD, MPH, *Charleston, SC*

Frailty and Delirium

Bellal Joseph, MD, FACS, *Tucson, AZ*

Cardiac Prehabilitation and Smoking

Bruce A. Crookes, MD, FACS, *Charleston, SC*

Obstructive Sleep Apnea and Steroids

Sara A. Buckman, MD FACS, *St. Louis, MO*

Goal-Directed Fluid Therapy and Transfusion

Douglas J. Schuerer, MD, FACS, *St. Louis, MO*

Group Discussion

Douglas J. Schuerer, MD, FACS, *St. Louis, MO*

Sponsored by the Committee on Perioperative Care

PS403 | 9:45-11:15 am

Ten Hot Topics in Surgical Oncology



LOCATION: MS 301-302

TRACK(S): CRS, GEN, ONC

MODERATOR: Douglas S. Tyler, MD, FACS, *Galveston, TX*

CO-MODERATOR: James R. Howe, MD, FACS, *Iowa City, IA*

Ten of the most current and controversial issues in surgical oncology are described in this session. It will include short, focused discussions on the evolving indications for surgery in melanoma patients in the era of effective immune therapies, the optimal use of neoadjuvant chemotherapy for pancreatic cancer, the appropriate management of complications of breast surgery, and the use of ablation techniques in breast surgery. This program will also address updates in the management of gastrointestinal (GI) stromal tumors, small pancreatic neuroendocrine tumors, and metastatic colorectal and neuroendocrine tumors to the liver. Finally, the program will address the state of the evidence for minimally invasive surgery for rectal cancer and what surgeons should know about "watch and wait" after neoadjuvant therapy of rectal tumors.

New Approaches to Managing Melanoma

Douglas S. Tyler, MD, FACS, *Galveston, TX*

Neoadjuvant Approaches to Resectable Pancreatic Cancer

Douglas S. Tyler, MD, FACS, *Galveston, TX*

Small Pancreatic Neuroendocrine Tumors:

Resect or Observe?

James R. Howe, MD, FACS, *Iowa City, IA*

Options for Treating Metastatic Neuroendocrine Tumors

James R. Howe, MD, FACS, *Iowa City, IA*

The Role of the Surgeon in Managing Gastrointestinal Stromal Tumors (GIST)

Jason K. Sicklick, MD, FACS, *La Jolla, CA*

Management of Colorectal Liver Metastases to the Liver
Jason K. Sicklick, MD, FACS, *La Jolla, CA*

Watch and Wait for Rectal Cancer

Matthew F. Kalady, MD, FACS, *Cleveland, OH*

Technical Advances in Managing Rectal Cancer

Matthew F. Kalady, MD, FACS, *Cleveland, OH*

Managing Pain and Lymphedema after Breast Cancer Treatment

V. Suzanne Klimberg, MD, PhD, FACS, *Galveston, TX*

Ablation of Breast Tumors: Is It Ready for Prime Time?

V. Suzanne Klimberg, MD, PhD, FACS, *Galveston, TX*

Sponsored by the Division of Education and the Commission on Cancer

PS404 | 9:45-11:15 am

**Ten Hot Topics in Emergency
Acute Care Surgery**



LOCATION: MS 205-208, 213-216

TRACK(S): TRA

MODERATOR: David A. Spain, MD, FACS, *Stanford, CA*

CO-MODERATOR: Paula Ferrada, MD, FACS, *Richmond, VA*

In this fast-paced session, 10 nationally recognized thought leaders in Acute Care Surgery will provide succinct and practical updates on some of the most challenging scenarios we face in caring for our critically ill and injured patients.

Introduction

David A. Spain, MD, FACS, *Stanford, CA*

Multimodality Pain Management in the Intensive Care Unit

Thomas W. Carver, MD, FACS, *Milwaukee, WI*

Improving Critical Care Outcomes with the Intensive Care Unit Liberation Bundle

Lewis J. Kaplan, MD, FACS, FCCM, FCCP, *Philadelphia, PA*

Palliative Care Can Be Useful with Acutely Ill Patients

David Zonies, MD, MPH, FACS, *Portland, OR*

Operative Techniques for Necrotizing Pancreatitis

Juan C. Duchesne, MD, FACS, FCCP, *New Orleans, LA*

Surgical Emergency: Should I Transfer My Patient to a Referral Center?

Kristan L. Staudenmayer, MD, MS, FACS, *Stanford, CA*

How Can We Improve Outcomes in Necrotizing

Soft-Tissue Infections?

Eileen M. Bulger, MD, FACS, *Seattle, WA*

Balanced Resuscitation: What Does It Mean?

Juan C. Duchesne, MD, FACS, FCCP, *New Orleans, LA*

Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA): When, Who, and How?

Megan L. Brenner, MD, FACS, *Riverside, CA*

Pelvis Fractures: How Can We Improve Outcomes?

Todd W. Costantini, MD, FACS, *San Diego, CA*

Duodenal Trauma: How Do I Avoid Trouble?

Paula Ferrada, MD, FACS, *Richmond, VA*

Sponsored by the Program Committee

THE OWEN H. WANGENSTEEN SCIENTIFIC FORUM

The Scientific Forum (SF) program provides a platform for scientific and surgical researchers across all levels of training and experience, including junior scientific investigators (surgery residents, medical students, and surgeons who have recently completed their training), to present their original research work before a national audience for the first time. More than 700 abstracts will be presented Monday through Wednesday.

Continuing Medical Education credit is offered for these sessions.

The Scientific Forum Committee is sponsoring or cosponsoring the following sessions:

Monday, October 28

PS107 | 9:45-11:15 am

Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer

LOCATION: MS 153

PS111 | 11:30 am-1:00 pm

Vulnerable Elderly: Optimizing Care for the Frail Patient

LOCATION: MS 303-304

PS118 | 2:30-4:00 pm

Clinical Trials in Personalized Medicine in Oncology

LOCATION: MS 160

Tuesday, October 29

SF200 | 8:00-9:30 am

2019 Owen H. Wangensteen Scientific Forum Dedication, Excellence in Research, and Resident Research Scholarship

LOCATION: MS 201-203



Ribbon icon indicates abstract is the 2019 Excellence in Research Award Recipient.

Wednesday, October 30

PS313 | 9:45-11:15 am

Surgeon's Role in Manipulating the Microbiome to Improve Outcomes Following Cancer Surgery

LOCATION: MW 3020-3022

Alphabetical Index to Sessions

Bariatric/Foregut I	119
Bariatric/Foregut II	128
Bariatric/Foregut III	137
Bariatric/Foregut IV	159
Breast I	123
Breast II	145
Breast III	155
Cardiac Surgery I	110
Cardiac Surgery II	124
Clinical Trials/Late-Breaking Abstracts	110
Colon and Rectal Surgery I	111
Colon and Rectal Surgery II	120
Colon and Rectal Surgery III	133
Colon and Rectal Surgery IV	142
Colon and Rectal Surgery V	146
Colon and Rectal Surgery VI	150
e-Posters I	112
e-Posters II	119
e-Posters III	135
e-Posters IV	142
e-Posters V	157
e-Posters VI	164
e-Posters of Exceptional Merit (ePOEMs)	170
Endocrine Surgery I	128
Endocrine Surgery II	151
Ethics	114
General Surgery I	114
General Surgery II	124
General Surgery III	133
General Surgery IV	143
General Surgery V	147
General Surgery VI	152
General Surgery VII	155
General Surgery VIII	163
Geriatric and Palliative Care	143
Global Surgery and Humanitarian Outreach I	125
Global Surgery and Humanitarian Outreach II	160
Global Surgery and Humanitarian Outreach III	164
Health Services Research I	112
Health Services Research II	118
Health Services Research III	132
Health Services Research IV	138
Health Services Research V	147
Health Services Research VI	165
Hepatobiliary and Pancreas I	121
Hepatobiliary and Pancreas II	129
Hepatobiliary and Pancreas III	144
Hepatobiliary and Pancreas IV	156
Hepatobiliary and Pancreas V	161
Military	112
Neurosurgery	115
Orthopaedic Surgery	116
Pediatric Surgery I	121
Pediatric Surgery II	130
Pediatric Surgery III	139
Pediatric Surgery IV	166
Plastic and Maxillofacial Surgery I	134
Plastic and Maxillofacial Surgery II	153
Plastic and Maxillofacial Surgery III	157

Surgical Education I	113
Surgical Education II	122
Surgical Education III	126
Surgical Education IV	131
Surgical Education V	154
Surgical Education VI	162
Surgical Oncology I	116
Surgical Oncology II	127
Surgical Oncology III	135
Surgical Oncology IV	148
Surgical Oncology V	167
Thoracic Surgery I	140
Thoracic Surgery II	158
Transplantation and Tissue Engineering I	122
Transplantation and Tissue Engineering II	140
Trauma/Burn/Critical Care I	117
Trauma/Burn/Critical Care II	131
Trauma/Burn/Critical Care III	135
Trauma/Burn/Critical Care IV	145
Trauma/Burn/Critical Care V	149
Trauma/Burn/Critical Care VI	154
Trauma/Burn/Critical Care VII	158
Trauma/Burn/Critical Care VIII	168
Urological Surgery I	136
Urological Surgery II	150
Vascular Surgery I	118
Vascular Surgery II	141
Vascular Surgery III	162

Monday, October 28

SF101 | 9:45am - 11:15am

Clinical Trials/Late-Breaking Abstracts

LOCATION: MN 20

MODERATORS:

Paula M. Termuhlen, MD, FACS, *Duluth, MN*
Edith Tzeng, MD, FACS, *Pittsburgh, PA*

The Owen H. Wangenstein Scientific Forum Committee held a call for late-breaking abstracts, specifically designed to highlight practice-changing clinical trials relevant to the surgeon. Abstracts accepted for presentation within this Special Session include original research as well as previously presented research deemed essential for ACS Clinical Congress attendees.

Please see the Clinical Congress 2019 App or the ACS website for more details.

SF102 | 9:45-11:15 am

Cardiac Surgery I

LOCATION: MN 22

TRACK(S): CTS

MODERATORS:

Ravi K. Ghanta, MD, FACS, *Houston, TX*

Tom C. Nguyen, MD, FACS, *Houston, TX*

Surgical Outcomes of Minimally Invasive vs. Sternotomy Approaches to Single-Vessel



Coronary Artery Bypass Grafting: A Study from The Society of Thoracic Surgeons (STS) National Database

Michael T. Cain, MD, Lyle D. Joyce, MD, PhD, FACS, Paul J. Pearson, MD, PhD, FACS, Lucian A. Durham, III, MD, PhD, Chris K. Rokkas, MD, Asim Mohammed, MD, and David L. Joyce, MD, FACS. *Medical College of Wisconsin, Milwaukee, WI*

Minimally Invasive Mitral Valve Surgery Does Not Limit Sophisticated Repair Technique: Propensity Score Matched Analysis

Sivan G. Marcus, Greg J. Haro, MD, Alexander G. Merriman, Carolyn G. Clary, RN, and Tobias G. Deuse, MD. *University of California, San Francisco, San Francisco, CA*

Surgical Valve Selection in Aortic Valve Replacement in the Era of Transcatheter Aortic Valve Implantation: An Ontario Population-Based Study

Derrick Y. Tam, MD, Christoffer Dharma, MSc, Harindra C. Wijeyesundera, MD, PhD, FRCPC, Peter C. Austin, MSc, PhD, and Stephen Fremes, MD. *Sunnybrook Health Sciences Centre, Toronto, ON, Canada, ICES, Toronto, ON, Canada*

Biomechanics of Ascending Thoracic Aortic Aneurysm: Computational Modeling and Pursuit of Wall Stress-Based Rupture Risk

Andrew D. Wisneski, MD, Zhongjie Wang, PhD, Yue Xuan, PhD, Liang Ge, PhD, and Elaine E. Tseng, MD, FACS. *University of California, San Francisco, San Francisco, CA*

Lipoprotein A Fails to Inhibit Plasminogen Activation and Fibrinolysis in a Whole Blood Model

Matthew G. Bartley, MD, MS, Navin Vigneshwar, MD, Ernest E. Moore, MD, FACS, Marguerite Kelher, MS, Christopher C. Silliman, MD, PhD, Jason Samuels, MD, Julia R. Coleman, MD, MPH, Angela A. Sauaia, MD, PhD, Mitchell J. Cohen, MD, FACS, and Anirban O. Banerjee, PhD. *University of Colorado, Aurora, CO, Denver Health Medical Center, Denver, CO, University of Colorado, Denver, CO*

Injection of Exosomes Isolated from Thioredoxin-1 Overexpressed Mice Leads to Improved Cardiac Function and Decreased Fibrosis after Myocardial Infarction

Jennifer Hubbard, MD, Pradeep Seetur Radhakrishna, PhD, Jacob D. Campbell, DO, MPH, Mahesh Thirunavukarasu, PhD, David McFadden, MD, FACS, J. Alexander Palesty, MD, FACS, and Nilanjana Maulik, PhD, FAHA. *UConn Health, Farmington, CT, University of Connecticut, Farmington, CT, St. Mary's Hospital, Waterbury, CT*

Infective Endocarditis Is an Important Predictor of Morbidity and Mortality after Valve Surgery

Rohan M. Shah, MPH, Laura Piechura, MD, Sameer A. Hirji, MD, Steve K. Singh, MD, MSc, and Hari R. Mallidi, MD, FRCSC. *Brigham and Women's Hospital, Boston, MA*

Female Sex Is Associated with Worse Outcomes after Aortic Arch Surgery

Christian V. Ghincea, MD, Muhammad Aftab, MBBS, FACS, Yuki Ikeno, MD, Mohamed Eldeiry, MD, Devon Anderson, Gavriel F. Roda, Jessica Rove, MD, Jay D. Pal, MD, PhD, and Thomas B. Reece, MD, FACS. *University of Colorado, Aurora, CO*

SF103 | 9:45-11:15 am

Colon and Rectal Surgery I

LOCATION: MN 21

TRACK(S): CRS

MODERATORS:

David W. Dietz, MD, FACS, *Cleveland, OH*

Elise H. Lawson, MD, FACS, *Madison, WI*

Association between Survival and Fragmented Care in Stage II and III Rectal Cancer

Lindsey A. Olivere, Kyle W. Freischlag, Megan Turner, MD, John Migaly, MD, FACS, and Christopher R. Mantyh, MD, FACS. *Duke University, Durham, NC, Duke University, Chapel Hill, NC*



Center for Medicare and Medicaid Services Bundled Payment for Care Improvement - Advanced for Major Bowel Surgery: Do We Have the Tools We Need to Succeed?

Caitlin R. Collins, MD, MPH and Elizabeth Wick, MD, FACS. *University of California, San Francisco, San Francisco, CA*



Barriers to Colorectal Cancer Screening in Rural Appalachian Area

Thao Wolbert, MD and David Denning, MD, FACS. *Marshall University School of Medicine, Huntington, WV, Marshall University, Huntington, WV*

Laparoscopic Peritoneal Lavage vs. Laparoscopic Sigmoidectomy in Complicated Acute Diverticulitis: A Multicenter Prospective Study

Dario Tartaglia, MD, Salomone Di Saverio, MD, FACS, FRCS, Weronika Stupalkowska, MD, Sandro Giannessi, MD, Virna Robustelli, MD, Federico Coccolini, MD, Orestis Ioannidis, MD, Gabriela Nita, MD, Virginia M. Duran Munoz-Cruzado, MD, and Massimo Chiarugi, MD, FACS. *University of Pisa, Pisa, Italy, Cambridge University Hospitals NHS Foundation Trust, Addenbrooke's Hospital, Cambridge, United Kingdom, S. Jacopo Hospital, Pistoia, Italy, Azienda Socio Sanitaria Territoriale Papa Giovanni XXIII, Bergamo BG, Italy, Aristotle University of Thessaloniki, Thessaloniki, Greece, Istituto di Ricovero e Cura a Carattere Scientifico (IRCCS), Reggio Emilia, Italy, Hospital Universitario Virgen del Rocío, Sevilla, Spain*

NCDB-Based Review of Different Surgical Approaches in the Treatment of Rectal Cancer in Academic vs. Community Institutions

Haris H. Chaudhry, MD, Taimoore Dogar, MD, Tanja Khosrawipour, MD, PhD, Shiri Li, MD, Veria Khosrawipour, MD, PhD, Cesar Figueroa, MD, and Alessio Pigazzi, MD, PhD, FACS. *University of California, Irvine, Orange, CA, Ortho-Klinik Dortmund, Dortmund, Germany*

Impact of a Complete Preoperative Workup for Rectal Adenocarcinoma on Pathologic Quality and Postoperative Morbidity: The American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP®) Analysis

Susanna S. Hill, MD, Sebastian K. Chung, MD, David C. Meyer, MD, Allison S. Crawford, MS, Cristina R. Harnsberger, MD, Paul R. Sturrock, MD, Jennifer S. Davids, MD, FACS, FASCRS, Justin A. Maykel, MD, FACS, FASCRS, and Karim Alavi, MD, MPH, FACS, FASCRS. *University of Massachusetts Medical School, Worcester, MA*

Decreasing Postoperative Opioid Prescribing Following Elective Colon Surgery

Monica K. Zipple, MD, Brian Smith, DO, and Farouk Tootla, MD, FACS, FASCRS. *St. Joseph Mercy Oakland Hospital, Pontiac, MI*

Reading between the (Guide)-Lines: Can Real-World Survival Data Identify Patients Whose Survival Isn't Improved by Guidelines-Based Treatments?

Charlotte H. Heron, Bretta Candelaria, Kelly M. Chambers, RN, Elizabeth A. Jacobs, MD, MPP, Elizabeth Kvale, MD, and Kimberly Brown, MD, FACS. *Dell Medical School at the University of Texas at Austin, Austin, TX*

Elucidating the Molecular Biomarkers Associated with Increased Responsiveness to a Cyclic Peptide CXCR4 Antagonist, LY2510924, in an Orthotopic Xenograft Mice Model on Colorectal Cancer Tumor Growth and Metastasis

Raza Ahmad, MS and David A. Margolin, MD, FACS, FASCRS. *Ochsner Clinical School, New Orleans, LA*

Relocation and Silastic Tension Only (RASTO) Procedure for the Treatment of Acute and Chronic Fistula-in-Ano: Preliminary Results of a New Procedure

John A. Carr, MD, FACS. *St. Joseph Mercy Hospital, Ypsilanti, MI*

Lack of Response to Neoadjuvant Treatment for Locally Advanced Rectal Cancer Is Associated with Resection Margin Positivity

Asya Ofshteyn, MD, MPH, Katherine Bingmer, MD, Emily Steinhagen, MD, FACS, and Sharon L. Stein, MD, FACS. *University Hospitals, Cleveland, OH, University Hospitals Cleveland Medical Center, Cleveland, OH*

SF104 | 9:45-11:15 am
Health Services Research I

LOCATION: MS 151

TRACK(S): HP

MODERATORS:

Zara Cooper, MD, FACS, *Boston, MA*Samuel R. G. Finlayson, MD, MPH, FACS, *Salt Lake City, UT*
Surgeon Profiles for Intraoperative and Postoperative Utilization

Christopher P. Childers, MD, PhD, Susan L. Ettner, PhD, Ron D. Hays, PhD, Gerald Kominski, PhD, Melinda A. Maggard Gibbons, MD, MSHS, FACS, and Rodrigo F. Alban, MD, FACS. *David Geffen School of Medicine at UCLA, Los Angeles, CA, UCLA Fielding School of Public Health, Los Angeles, CA, UCLA Center for Health Policy Research, Fielding School of Public Health, Los Angeles, CA, Cedars-Sinai Medical Center, Los Angeles, CA*

Does Vertical Integration Improve Access to Surgical Care for Medicaid Beneficiaries?

Diane N. Haddad, MD, Matthew J. Resnick, MD, MPH, MMHC, and Sayeh S. Nikpay, PhD, MPH. *Vanderbilt University Medical Center, Nashville, TN*

Passively-Collected Smartphone Sensor Data to Detect Postoperative Events after Cancer Surgery: A Prospective, Multicenter, Proof-of-Principle Study

Nikhil Panda, MD, Ian Solsky, MD, MPH, Emily J. Huang, PhD, Stuart Lipsitz, ScD, Megan Delisle, MD, Jason C. Pradarelli, MD, Carrie C. Lubitz, MD, MPH, FACS, Atul A. Gawande, MD, MPH, FACS, J.P. Onnela, PhD, and Alex B. Haynes, MD, MPH, FACS. *Massachusetts General Hospital, Boston, MA, Ariadne Labs, Boston, MA, Harvard T.H. Chan School of Public Health, Boston, MA*

Out-of-Pocket Spending by Surgical Patients Following Implementation of the Affordable Care Act Insurance Marketplaces


Charles Liu, MD, Melinda A. Maggard Gibbons, MD, MSHS, FACS, Thomas G. Weiser, MD, MPH, FACS, Arden M. Morris, MD, MPH, FACS, and Yusuke Tsugawa, MD, MPH, PhD. *Stanford University, Stanford, CA, Veterans Health Administration, Greater Los Angeles Healthcare System, Los Angeles, CA, University of California Los Angeles, Los Angeles, CA*

Survey of the U.S. Surgeon Workforce: Practice Characteristics, Job Satisfaction, and Work-Life Balance

Stephen T. Mahoney, MD, Paula D. Strassle, MSPH, Anneke T. Schroen, MD, MPH, FACS, Robert P. Agans, PhD, Patricia L. Turner, MD, FACS, Anthony A. Meyer, MD, PhD, FACS, FRCS, Julie A. Freischlag, MD, FACS, FRCS, Ed(Hon), and Michelle R. Brownstein, MD, FACS. *University of North Carolina Hospitals, Chapel Hill, NC, University of North Carolina, Chapel Hill, NC, University of Virginia Health System, Charlottesville, VA, University of North Carolina Gilings School of Public Health, Chapel Hill, NC, University of Chicago Medicine, Chicago, IL, Wake Forest Baptist Health, Winston-Salem, NC, Brody School of Medicine at East Carolina University, Greenville, NC*

Pay Transparency among Surgeons in the Veterans Health Administration: Closing the Gender Gap

Jessica H. Maxwell, MD, MPH, FACS, James A. Randall, MPH, Sarah M. Dermody, Adnan S. Hussaini, MD, Hamsini Rao, Ajay S. Nathan, MS, Sonya Malekzadeh, MD, FACS, and Jamie R. Litvack, MD, MS, FACS. *Georgetown University School of Medicine, Washington, DC, Yale School of Public Health, New Haven, CT, Georgetown University, Washington, DC, Boston University School of Medicine, Boston, MA, University of Washington School of Medicine, Seattle, WA*

The Role of Private Insurance Markets in Utilization of Bariatric Surgery

Karan R. Chhabra, MD, Zhaohui Fan, MPH, Justin B. Dimick, MD, FACS, and Dana A. Telem, MD, MHS. *University of Michigan Institute for Healthcare Policy and Innovation, Ann Arbor, MI, Brigham and Women's Hospital, Boston, MA, University of Michigan Center for Healthcare Outcomes and Policy, Ann Arbor, MI*

Development of a Novel Complexity Score in Predicting Surgical Outcomes Using a Machine-Learning Algorithm

James M. Hyer, MS, Timothy M. Pawlik, MD, PhD, MPH, FACS, and Aslam Ejaz, MD, MPH. *The Ohio State University, Columbus, OH*

SP105 | 9:45-11:15 am
e-Posters I

LOCATION: MS 201-203

TRACK(S): BTR, GEN, INT, PED, HUM, TRA

e-Posters are listed in the Scientific Forum e-Poster section on page 170.

SF106 | 9:45-11:15 am
Military

LOCATION: MS 152

TRACK(S): INT, HUM

MODERATORS:

Tiffany Cox, MD, *Highland, MD*Michael J. Krzyzaniak, MD, FACS, *San Diego, CA*David Zonies, MD, FACS, *Portland, OR*
Quality Control Methods Successfully Identify High Mortality Variations in Combat Casualty Care

Jeremy W. Cannon, MD, FACS, Daniel N. Holena, MD, MSCE, FACS, Wei Yang, PhD, Emily R. Mayhew, PhD, Shawn C. Nessen, DO, FACS, Kirby R. Gross, MD, FACS, and C. W. Schwab, MD, FACS. *University of Pennsylvania, Philadelphia, PA, Uniformed Services University of the Health Sciences, Bethesda, MD, Imperial College, London, United Kingdom, U.S. Army Institute of Surgical Research, San Antonio, TX, U.S. Army Trauma Training Center, Miami, FL*

Leveraging Virtual Health Technology for Simulated Pediatric Trauma: A Feasibility Study

Lyndsey E. Wessels, MD, Michelle T. Roper, MD, Konrad Davis, MD, Romeo C. Ignacio, MD, FACS, Ivan M. Gutierrez, MD, and Art A. Ambrosio, MD. *Naval Medical Center San Diego, San Diego, CA, University of San Diego School of Medicine, San Diego, CA*

Enhancement of the DOD Global Health Engagement Mission via the Global Trauma System Assessment Program

Sharon Weeks, MD, Joseph Bozzay, MD, Tamara Worlton, MD, FACS, Kyle Remick, MD, FACS, Christopher Scheiber, MD, Jessie Paull, MD, Jeanette Polcz, MD, Eric Elster, MD, FACS, and Debra L. Malone, MD, FACS. *Walter Reed National Military Medical Center/USUHS, Bethesda, MD*

Heart Rate Complexity in U.S. Army Forward Surgical Teams during Pre-Deployment Training

Michelle B. Mulder, MD, Matthew S. Sussman, MD, Sarah A. Eidelson, MD, Kirby R. Gross, MD, FACS, Mark D. Buzzelli, MD, FACS, Andriy I. Batchinsky, MD, Nicholas Namias, MD, MBA, FACS, Carl I. Schulman, MD, PhD, FACS, and Kenneth G. Proctor, PhD. *University of Miami, Miller School of Medicine, Miami, FL, U.S. Army Trauma Training Detachment, Miami, FL, Battlefield Health and Trauma Center for Human Integrative Physiology, U.S. Army Institute of Surgical Research, Ft. Sam Houston, TX*

Suturable Mesh Better Resists Early Laparotomy Failure in a Repetitive Stress Ball Burst Model



Christopher Scheiber, MD, Jason Souza, MD, Christopher Dearth, PhD, Stephen Goldman, PhD, and Peter Liacouras, PhD. *Walter Reed National Military Medical Center, Bethesda, MD*

Pilot Results from the Military Health System Clinical Readiness Program

Danielle B. Holt, MD, FACS, Matthew Hueman, MD, FACS, Jeffrey Bailey, MD, FACS, and Eric Elster, MD, FACS. *Uniformed Services University, Bethesda, MD, Walter Reed National Military Medical Center, Bethesda, MD*

Department of Defense Surgical Antibiotic Prophylaxis Prescribing Patterns in Laparoscopic Inguinal Hernia Repair

Robert B. Lim, MD, FACS and Dylan Russell, MD. *Tripler Army Medical Center, Honolulu, HI*

Telemedicine across the World: Experiences of Tele-Procedural Mentorship and Simulated Adult Trauma during Pacific Partnership 2018

Michelle T. Roper, MD, Lyndsey E. Wessels, MD, Art A. Ambrosio, MD, Ivan M. Gutierrez, MD, Romeo C. Ignacio, MD, FACS, and Konrad Davis, MD. *Naval Medical Center San Diego, San Diego, CA*

The Mesh Suture Research Program: Using a Cross-Discipline Research Model to Drive a Surgical Paradigm Shift

Jason Souza, MD, Christopher Scheiber, MD, Stephen Goldman, PhD, Christopher Dearth, PhD, Peter Liacouras, PhD, Gabrielle Rolland, MD, and Matthew J. Bradley, MD, FACS. *Walter Reed National Military Medical Center, Bethesda, MD*

SF107 | 9:45-11:15 am

Surgical Education I

LOCATION: MN 23

TRACK(S): EDU

MODERATORS:

Edward D. Auyang, MD, FACS, *Albuquerque, NM*
Jennifer LaFemina, MD, FACS, *Worcester, MA*

Step-Specific Guidance Is the Strongest Predictor of Prospective Resident Entrustment

Xiaodong (Phoenix) Chen, PhD, MSc, Amalia L. Cochran, MD, FACS, Alan E. Harzman, MD, FACS, and E. Christopher Ellison, MD, FACS. *The Ohio State University, Columbus, OH*

Resident Operative Assessment in Laparoscopic Inguinal Hernia Repair for Proficiency Prior to Graduation

Christian G. Massier, MD, FACS, Jordan T. Shively, DO, and Andrew Grubic, DO. *Cleveland Clinic, Cleveland, OH*

Assessing Various Noninvasive Stress Indices to Predict Novice Surgeons' Performance during Basic Skills Training in a High-End Simulator

Konstantinos Georgiou, MD, MSc, Ninos Oussi, MD, Dimitrios Thanasis, PhD, Lars Enochsson, MD, PhD, Andreas Larentzakis, MD, MSc, PhD, FACS, and Athanasios G. Papavassiliou, MD, PhD. *National and Kapodistrian University of Athens, Athens Medical School, Athens, Greece, Karolinska Institutet, Stockholm, Sweden, Umeå University, Umeå, Sweden*

An Innovative Approach to Evaluating Trainee Operative Skills: Electronic Health Record (EHR) Mediated Real-Time Resident Assessment

Jason C. Fisher, MD, FACS, FAAP, Sabrina Lee, MPA, Vikashini Savadamuthu, MPA, Julio Garcia, MS, Vivian Stellakis, MA, C-TAGME, Akuezunkpa Ude-Welcome, MD, FACS, Russell S. Berman, MD, FACS, and H. Leon Pachter, MD, FACS. *Hassenfeld Children's Hospital at NYU Langone, New York, NY, NYU Langone Health, New York, NY*

Outcomes of Non-Designated Preliminary General Surgery Residents: A 25-Year Experience

Aashish Rajesh, MBBS, Malke Asaad, MD, Abhishek Chandra, Judith K. Cook, and David R. Farley, MD, FACS. *Mayo Clinic, Rochester, MN*

Large-Scale Integrated Platform for Comprehensive Tracking of Resident Operative Performance

Ruchi Thanawala, MS, MD, Jonathan Jesneck, MS, PhD, and Neal Seymour, MD, FACS. *University of Iowa Hospitals and Clinics, Iowa City, IA, Firefly Lab, Iowa City, IA, University of Massachusetts Medical School-Baystate, Springfield, MA*

Toward Autonomy and Conditional Independence: A Standardized Script Improves Patient Acceptance of Surgical Trainee Roles

Ava Ferguson Bryan, MD, Darren S. Bryan, MD, Jeffrey B. Matthews, MD, FACS, and Kevin Roggin, MD, FACS. *University of Chicago, Chicago, IL*

Entrustable Professional Activities: Do Residents Trust Them?

Aakanksha Gupta, MD and Mayur Narayan, MD, MPH, MBA, MHPE, FACS. *Weill Cornell Medicine, New York, NY*

The Integration of Entrustable Professional Activities into General Surgery Residency: A Practical Guide

Christopher C. Stahl, MD, Alexandra A. Rosser, Sarah J. Jung, PhD, Rebecca M. Minter, MD, FACS, and Jacob A. Greenberg, MD, EdM, FACS. *University of Wisconsin School of Medicine and Public Health, Madison, WI*

Multimodal Evaluation of Incoming Surgical Residents: Predicting Clinical and Examination Success

Ruth E. Jones, MD, Rachael Lefevre, Lisa Bailey, BBA, C-TAGME, Deborah E. Farr, MD, FACS, Abier Abdelnaby, MD, FACS, Herbert Zeh, III, MD, FACS, and Kareem R. Abdelfattah, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

SF108 | 11:30 am-1:00 pm

Ethics

LOCATION: MN 23

TRACK(S): ETH

MODERATORS:

Scott B. Grant, MD, MBE, *Somers, NY*

Mindy B. Statter, MD, FACS, *New York, NY*

Factors That Impact Moral Distress for Surgeons Caring for Older Adults with Life-Limiting Acute Surgical Conditions



Christopher J. Zimmermann, MD, Lauren J. Taylor, MD, Jennifer L. Tucholka, Karen J. Brasel, MD, MPH, FACS, Robert Arnold, MD, Zara Cooper, MD, FACS, and Margaret L. Schwarze, MD, MPP, FACS. *University of Wisconsin, Madison, WI, Oregon Health & Science University, Portland, OR, University of Pittsburgh, Pittsburgh, PA, Brigham and Women's Hospital, Boston, MA*

Resuscitating the Dying for Organ Donation: A Statewide Survey of Trauma Surgeons

Allan B. Peetz, MD, FACS, Mayur B. Patel, MD, MPH, FACS, Oscar D. Guillemondegui, MD, MPH, FACS, Bradley M. Dennis, MD, FACS, Richard D. Betzold, MD, Jill R. Streams, MD, Oliver L. Gunter, MD, MPH, FACS, Seth J. Karp, MD, FACS, Laura M. Beskow, PhD, MPH, and Keith G. Meador, MD, ThM, MPH. *Vanderbilt University Medical Center, Nashville, TN, University of Maryland School of Medicine, Baltimore, MD, Medical College of Wisconsin, Milwaukee, WI, Vanderbilt University, Nashville, TN*

The Experience of Pregnancy after Uterus Transplantation

Anji Wall, MD, PhD, Liza Johannesson, MD, PhD, Ann Marie Warren, PhD, and Giuliano Testa, MD, MBA, FACS. *Baylor University Medical Center, Dallas, TX*

The Surgeon as Double Agent: Surgeons' Perceptions on Conflicting Expectations of Patient Care and Stewardship of Resources

Piroska K. Kopar, MD and Felix Lui, MD, FACS. *Washington University in St. Louis, St. Louis, MO, Yale School of Medicine, New Haven, CT*

The Effectiveness of a Question Prompt List on Patient-Reported Concerns and Well-Being: A Multisite Randomized Controlled Trial

Anna Kata, MD, Anne Buffington, MPH, Jennifer L. Tucholka, Karen J. Brasel, MD, MPH, FACS, Zara Cooper, MD, MSc, FACS, Emily Finlayson, MD, MS, FACS, Anne C. Mosenthal, MD, FACS, Bret M. Hanlon, PhD, Nicholas A. Marka, MS, and Margaret L. Schwarze, MD, MPP, FACS. *University of California, San Francisco, San Francisco, CA, University of Wisconsin, Madison, WI, Oregon Health & Science University, Portland, OR, Brigham and Women's Hospital, Boston, MA, Rutgers-New Jersey Medical School, Newark, NJ*

The Impact of Insurance Status on Outcomes of Children Undergoing Liver Transplantation

Andre A. Dick, MD, MPH, FACS, Niviann Blondet, MD, Patrick J. Healey, MD, FACS, Jorge Reyes, MD, FACS, and James Perkins, MD, FACS. *University of Washington and Seattle Children's Hospital, Seattle, WA, University of Washington, Seattle, WA*

Parental Preferences toward Shared Decision Making in Pediatric Surgery

Caleb J. Klipowicz, MA, Laura A. Shinkunas, MS, Lauris C. Kaldjian, MD, PhD, and Erica M. Carlisle, MD. *University of Iowa, Iowa City, IA*

Burden of ESRD and Access to Kidney Transplant in the African-American and Hispanic/Latino Population

Pablo Serrano Rodríguez, MD, Brian G. Orleans, MS, Paula D. Strassle, MSPH, Emily R. Newton, MD, and Chirag S. Desai, MD. *University of North Carolina, Chapel Hill, NC*

Surgical Patients Display an Unconscious Bias against Female Surgeons

Brittany Bankhead-Kendall, MD, MS, Joost Kortlever, MD, MS, Carlos V. R. Brown, MD, FACS, Pedro Teixeira, MD, FACS, Alexa Ryder, David Ring, MD, PhD, and Rene Salazar, MD. *University of Texas at Austin, Austin, TX*

SF109 | 11:30 am-1:00 pm

General Surgery I

LOCATION: MN 22

TRACK(S): GEN

MODERATORS:

Ajit S. Prabhu, MD, FACS, *Pepper Pike, OH*

Dana A. Telem, MD, MPH, FACS, *Ann Arbor, MI*

Prevention of Fascial Dehiscence with Prophylactic Onlay Mesh in Emergency Laparotomy: A Randomized Trial

Helber V. Lima, MD, Roberto Rasslan, MD, FACS, Sergio H. Damous, MD, FACS, Lima M. Tiberio, MD, Celso de Oliveira Bernini, MD, Edna F. Montero, MD, and Edivaldo M. Utiyama, MD, FACS. *Universidade de Sao Paulo, Sao Paulo, Brazil*

Platelet Rich Plasma Improves Metrics of Biologic Mesh Incorporation and Decreases Foreign Body Response in a Dose-Dependent Fashion

Raquel Araujo-Gutierrez, MD, Jeffrey L. Van Eps, MD, Fernando J. Cabrera, MD, Keith A. Youker, PhD, and Joseph S. Fernandez-Moure, MD. *Houston Methodist Hospital, Houston, TX, University of Minnesota, Minneapolis, MN, University of Pennsylvania, Philadelphia, PA*

Outcomes of Concomitant Mesh Placement and Intestinal Procedures during Open Ventral Hernia Repair

Ashkan Moazzez, MD, MPH, FACS, Dennis Y. Kim, MD, FACS, FRCS, FCCP, FCCM, Hayoung Park, MD, Andrew Shover, MD, Emily D. Dubina, MD, and Christian M. de Virgilio, MD, FACS. *Harbor-UCLA Medical Center, Torrance, CA*

Short-Term 30-Day Outcomes of Open vs. Laparoscopic Repair of Lateral/Flank Hernias: An Analysis of the American Hernia Society Quality Collaborative (AHSQC)

Courtney L. Devin, MD, Molly A. Olson, MS, Richard Zheng, MD, Adam C. Berger, MD, FACS, and Francesco Palazzo, MD, FACS. *Thomas Jefferson University Hospital, Philadelphia, PA, Vanderbilt University Medical Center, Nashville, TN*

Primary Fascial Closure during Laparoscopic Ventral Hernia Repair Improves Patient Quality of Life: A Multi-Center, Blinded Randomized Controlled Trial

Karla Bernardi, MD, Oscar A. Olavarria, MD, Julie Holihan, MD, Lillian S. Kao, MD, FACS, Tien C. Ko, MD, FACS, John S. Roth, MD, FACS, Shawn Tsuda, MD, FACS, Khashayar Vaziri, MD, FACS, and Mike K. Liang, MD, FACS. *McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX, University of Kentucky, Lexington, KY, University of Nevada School of Medicine in Las Vegas, Las Vegas, NV*

Incisional Hernia Prevention Using Autologous Cutis Grafts in Rat Model

Chad Becnel, MS, Aran Yoo, MD, Celia Short, MD, Kazi Islam, PhD, Patrick Greiffenstein, MD, FACS, Frank Lau, MD, and Ian Hodgdon, MD, FACS. *Tulane University, New Orleans, LA, LSU Health Sciences Center, New Orleans, LA*

A Matched Cohort Comparison of Early and Long-Term Outcomes Following Fibrin-Glue vs. Suture-Fixation for Retromuscular Ventral Hernia Repair

Charles A. Messa, IV, Geoffrey M. Kozak, MD, Irfan A. Rhemtulla, MD, MS, Michael G. Tecce, DO, Jaclyn T. Mauch, John P. Fischer, MD, FACS, and Robyn B. Broach, PhD. *University of Pennsylvania, Philadelphia, PA*

Mesh Fixation in Inguinal Hernia Repair:

A Comparative Study

Shahed Tish, MD, Raha AlMarzooqi, MD, Breanna Perlmutter, MD, Aldo Fafaj, MD, Luciano Guilherme Tastaldi, MD, Li-Ching Huang, PhD, Clayton Petro, MD, David M. Krpata, MD, Ajita S. Prabhu, MD, FACS, and Michael Rosen, MD, FACS. *Cleveland Clinic, Cleveland, OH, Vanderbilt University Medical Center, Nashville, TN*

Incisional Hernia Repair Is Safe in Immunosuppressed Patients: Institutional Comparison with the Americas Hernia Society Quality Collaborative

Camila Ortiz Gomez, MD, Juliana Henrique, MD, Ovshay Ovshayev, MS, David A. Funes, MD, Joel S. Frieder, MD, David Gutierrez, MD, Fernando Dip, MD, FACS, Samuel Szomstein, MD, FACS, FASMBS, Raul J. Rosenthal, MD, FACS, FASMBS, and Emanuele Lo Menzo, MD, PhD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Comparing IPOM vs. Sublay Mesh Placement for Open Incisional Hernias: An Analysis of the Americas Hernia Society Quality Collaborative (AHSQC)

Aldo Fafaj, MD, Luciano Guilherme Tastaldi, MD, Hemasat Alkhatib, MD, Raha AlMarzooqi, MD, Shahed Tish, MD, Molly Olson, MS, Clayton C. Petro, MD, Ajita S. Prabhu, MD, FACS, David M. Krpata, MD, and Michael J. Rosen, MD, FACS. *Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH, Vanderbilt University Medical Center, Nashville, TN*

The Perioperative Outcomes of Minimally Invasive vs. Open Transversus Abdominis Release in Patients Undergoing Abdominal Wall Reconstruction

Alex J. Addo, MD, MPH, Allison Estep, MD, Andrew Broda, Richard Lu, MD, H. Reza Zehri, DO, FACS, and Igor Belyansky, MD, FACS. *Anne Arundel Medical Center, Annapolis, MD*

SF110 | 11:30 am-1:00 pm

Neurosurgery

LOCATION: MS 160

TRACK(S): NEU

MODERATORS:

G. Edward Vates, MD, FACS, *Rochester, NY*

Volume-Outcomes Relationship in Traumatic Brain Injury: Insights from the National Trauma Data Bank

Sung Huang Laurent Tsai, MD, Anshit Goyal, MBBS, Mohammed Ali Alvi, MBBS, Waseem Wahood, MS, Elizabeth B. Habermann, PhD, MPH, and Mohamad Bydon, MD. *Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, Mayo Clinic Neuro-Informatics Laboratory, Rochester, MN, Robert D. and Patricia E. Kern Center for the Science of Health Care Delivery, Rochester, MN*

Early VTE Prophylaxis after Spinal Surgery Does Not Increase Risk of Bleeding Complications: A Single-Study Experience

Brent W. Earls, MD, Hannah Schobel, DO, Emily TenEyck, MPH, Sarah Pan-Chen, MPH, Elizabeth Freedman, MPH, Amy Ives, PharmD, BCPS, Edward Y. Woo, MD, FACS, and Misaki W. Kiguchi, MD, MBA. *MedStar Georgetown University Hospital, Washington, DC, MedStar Washington Hospital Center, Washington, DC*

Modulation of Brain Transcriptome by Valproic Acid and Fresh Frozen Plasma Treatments Following Traumatic Brain Injury and Hemorrhagic Shock

Simone E. Dekker, MD, PhD, Rebecca Tagett, MS, PhD, Ted Bambakidis, MS, Martin Sillesen, MD, PhD, Aaron M. Williams, MD, Jordana F. Brown, Baoling Liu, MD, Yongqing Li, MD, PhD, and Hasan B. Alam, MD, FACS. *University of Michigan, Ann Arbor, MI*

Optic Nerve Sheath Diameter with Intracranial Hypertension in Patients with Traumatic Head Injury

Ammar Al-Hassani, MD, Ayman El-Menyar, MD, and Hassan Al-Thani, MD. *Hamad Medical Corporation, Doha, Qatar, Hamad General Hospital, Doha, Qatar*

Comparing Shunt Survival of Adult Hydrocephalus: An Analysis of Shunt Failure Using National Longitudinal Database

Po Yu Chiang, MD, Joseph Canner, MHS, and Abhay Moghekar, MBBS. *Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, The Johns Hopkins Hospital, Baltimore, MD*

Treatment Optimization for Patients with Bertolotti's Syndrome

Ryan Adams, Sarah Herrera-Nicol, ACNP, Charlotte Hawks, MS, Stanislaw Sobotka, DSc, PhD, and Arthur L. Jenkins, III, MD, FACS. *Icahn School of Medicine at Mount Sinai, New York, NY, Jenkins NeuroSpine, New York, NY*

Genotype-Phenotype Analysis of Somatic Mutations in Intracranial Arteriovenous Malformations

Jeremy A. Goss, MD, Patrick J. Smits, PhD, and Arin K. Greene, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA*

Integrated Interbody Fusion in Multilevel Cervical Constructs in Clinical Practice

Jason E. Garber, MD, FACS. *Las Vegas Neurosurgical Institute Center for Spine & Brain Surgery, Las Vegas, NV*

Spinal Lesions X File Rummage

Rami Y. Alqroom, MD, FACS. *Royal Medical Services, Amman, Jordan*

SF111 | 11:30 am-1:00 pm

Orthopaedic Surgery

LOCATION: MS 159

TRACK(S): ORT

MODERATORS:

Danielle A. Katz, MD, FACS, *East Syracuse, NY*

Herbert S. Schwartz, MD, FACS, *Nashville, TN*

Long-Term Health Care Costs in Patients with Diabetes or Peripheral Arterial Disease Who Require Lower Extremity Amputation: A Population-Based Analysis

Charles de Mestral, MD, PhD, FRCSC, Harindra C. Wijesundera, MD, PhD, FRCPC, Ahmed Kayssi, MD, MPH, FRCSC, Peter C. Austin, MSc, PhD, Konrad Salata, MD, Mohamad A. Hussain, MD, PhD, Thomas L. Forbes, MD, FACS, Atul Sivaswamy, MSc, Subodh Verma, MD, PhD, FRCSC, and Mohammed Al-Omran, MD, MSc, FRCSC. *University of Toronto, Toronto, ON, Canada, ICES, Toronto, ON, Canada*

Comparison of Reimbursement for Foot and Ankle Procedures among Surgeons with Differing Credentials

Mohammed Abdullah, Shiv Patel, and Vinod K. Panchbhavi, MD, FACS. *University of Texas Medical Branch, Galveston, TX, Baylor College of Medicine, Houston, TX*

Impact of Marital Status on Survival of Cancer Amputees

Talha Ayaz, Asad Loya and Vinod K. Panchbhavi, MD, FACS. *University of Texas Medical Branch, Galveston, TX, Baylor College of Medicine, Houston, TX*

Comparing 30-Day Outcomes between Orthopaedic Surgeons and Neurosurgeons Following Single-Level Cervical Total Disc Replacement

Marine Coste, Neil V. Shah, MD, MS, George A. Beyer, MS, Peter G. Passias, MD, Jeffrey M. Schwartz, MD, FACS, Bassel G. Diebo, MD, and Carl B. Paulino, MD. *State University of New York (SUNY), Downstate Medical Center, Brooklyn, NY, NYU Langone Orthopedic Hospital, New York, NY, Kings County Hospital Center, Brooklyn, NY*

Does Structural Compromise of the Aorta in Patients with Aortic Pathologies Predict Increased Spinal and Vascular Complications and Reoperations in Patients Undergoing Anterior Approach to the Spine?

Neil V. Shah, MD, MS, Pelin Celiker, Cirous Sadeghi, MD, Mahee Islam, Ishaan Jain, Jeffrey M. Schwartz, MD, FACS, Bassel G. Diebo, MD, and Carl B. Paulino, MD. *State University of New York (SUNY), Downstate Medical Center, Brooklyn, NY, University of Buffalo School of Medicine, Buffalo, NY, Kings County Hospital Center, Brooklyn, NY*

Early Initiation of Thromboprophylaxis in Operative Spine Trauma Does Not Increase the Risk of Bleeding Complications

Mohammad K. Hamidi, MD, Kamil Hanna, MD, Lynn M. Gries, MD, FACS, Muhammad Zeeshan, MD, Zaid Haddadin, MD, Terence O'Keeffe, MD, FACS, Michael Dittillo, DO, FACS, Ashley Northcutt, MD, Andrew L. Tang, MD, FACS, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Is There Value in Subspecialty Training? A Comparison of Differences in Outcomes between Fellowship-Trained Orthopaedic Foot and Ankle Surgeons and All Other Orthopaedic Surgeons Using the ABOS Database

Taylor D. Ottesen, Neil Pathak, Michael R. Mercier, Adam M. Lukasiewicz, MD, Jonathan N. Grauer, MD, FACS, and Lee E. Rubin, MD. *Yale School of Medicine, New Haven, CT*

Platelet-Rich Plasma vs. Corticosteroid Injections in Rotator Cuff-Related Pain Syndrome (RCRSP): 18-Months Follow-Up

Juho A. Annaniemi, MD, Jyri Pere, MD, and Salvatore Gior-dano, MD, PhD. *Satakunta Central Hospital, Pori, Finland, Welfare District of Forssa, Forssa, Finland, Turku University Hospital, Turku, Finland*

Quality of Patient Education on ACL Reconstruction Online

Shiv Patel, Mohammed Abdullah, Christina R. Wassef, Audrey Wassef, and Vinod K. Panchbhavi, MD, FACS. *University of Texas Medical Branch, Galveston, TX, Baylor College of Medicine, Houston, TX*

Ensemble Machine-Learning Algorithms for Prediction of Complications after Elective Total Hip Arthroplasty

Anoop R. Galivanche, Julian K. Huang, Kevin W. Mu, Arya G. Varthi, MD, and Jonathan N. Grauer, MD, FACS. *Yale School of Medicine, New Haven, CT*

Hand Surgery Trauma Coverage in Puerto Rico Hospitals

Eduardo P. Natal, MD. *University of Puerto Rico, San Juan, PR*

Titanium Cervical Spine Implant Detection by Metal Detectors

Sebastian I. Fras, and Christian I. Fras, MD, FACS. *Institute for Spinal Surgery, Haverford, PA*

SF112 | 11:30 am-1:00 pm

Surgical Oncology I

LOCATION: MS 151

TRACK(S): ONC

MODERATORS:

Stephanie Downs-Canner, MD, *Chapel Hill, NC*

Rebekah R. White, MD, FACS, *La Jolla, CA*

Cancer-Associated Fibroblasts Persist But Show Decreased Fibroblast Activation Protein Expression after Neoadjuvant Chemotherapy in Human Pancreatic Ductal Adenocarcinoma

Deshka S. Foster, MD, MA, Alan T. Nguyen, Malini Chinta, Ashley L. Titan, MD, Ankit Salhotra, Ruth Ellen Jones, MD, Shamik Mascharak, Jeffrey A. Norton, MD, FACS, and Michael T. Longaker, MD, MBA, FACS. *Stanford University, Stanford, CA*



Blockade of GPR171 Signal Promotes T Cell-Mediated Anti-Tumor Immunity

Yuki Fujiwara, MD, PhD, Robert J. Torphy, MD, Yi Sun, MD, PhD, Katsuhiko Yanaga, MD, PhD, FACS, Marco Del Chiaro, MD, PhD, FACS, Richard D. Schulick, MD, MBA, FACS, and Yuwen Zhu, PhD. *University of Colorado Anschutz Medical Campus, Aurora, CO, Jikei University School of Medicine, Tokyo, Japan*

Innate $\alpha\beta$ T Cells Mediate Anti-Tumor Immunity by Orchestrating Immunogenic Macrophage Programming

Ankita Mishra, MD, MS, Mautin Hundeyin, MD, Emma Kurz, and George Miller, MD, FACS. *New York University School of Medicine, New York, NY*

Potential Role of Soluble Protein Profiles to Improve the Diagnostic Capability of Endoscopic Ultrasound with Fine-Needle Aspiration for Pancreatic Ductal Adenocarcinoma

Patrick W. Underwood, MD, Michael H. Gerber, MD, Kathy Nguyen, Daniel Delitto, MD, PhD, Song Han, MD, PhD, Ryan M. Thomas, MD, FACS, Jose G. Trevino, MD, William E. Gooding, MS, and Steven J. Hughes, MD, FACS. *University of Florida, Gainesville, FL, University of Pittsburgh, Pittsburgh, PA*

Decreased Recurrence in Sarcoma Patient-Derived Xenografts Using Paclitaxel-Eluting Polymer Films

David A. Mahvi, MD, FACS, Ngoc-Quynh Chu, MD, Jeremy Miller, Robert Sabatelle, Rong Liu, MD, PhD, Mark W. Grinstaff, PhD, Yolonda L. Colson, MD, PhD, FACS, and Chandrajit P. Raut, MD, FACS. *Brigham and Women's Hospital, Boston, MA, Boston University, Boston, MA, Massachusetts General Hospital, Boston, MA*

Hybrid Topographic Lymph Node Staging System Shows Prognostic Superiority to Numeric Pathologic Lymph Node Classification in Gastric Cancer

Gabriella T. Capolupo, MD, PhD, Sara Lauricella, MD, Gianluca Mascianà, MD, Erica Mazzotta, MD, Filippo Caranante, MD, Damiano Caputo, MD, FACS, Chiara Pagnoni, MD, Massimo Ciccozzi, PhD, Marco Caricato, MD, FACS, and Roberto Coppola, MD, FACS. *Università Campus Bio-Medico di Roma, Rome, Italy, Campus Bio-Medico University of Rome, Rome, Italy*

Endogenous Breast Cancer Shows Clonal Proliferation of Cancer-Associated Fibroblasts at Primary Tumor and Metastatic Sites

Deshka S. Foster, MD, MA, Malini Chinta, Alan T. Nguyen, Ankit Salhotra, Ryan Chase Ransom, Ruth Ellen Jones, MD, Ashley L. Titan, MD, Shamik Mascharak, Jeffrey A. Norton, MD, FACS, and Michael T. Longaker, MD, MBA, FACS. *Stanford University, Stanford, CA*

A New Angle on Pancreatic Cancer: Is Thromboelastography Superior to CA19-9 as a Prognostic Tool to Predict Early Recurrence Following Pancreatectomy?

Alexander Schulick, Hunter Moore, MD, PhD, Chloe Friedman, MPH, Barish Edil, MD, FACS, Richard D. Schulick, MD, MBA, FACS, Ana Gleisner, MD, PhD, Angela Sauaia, MD, PhD, Trevor L. Nydam, MD, FACS, and Marco Del Chiaro, MD, PhD, FACS. *University of Colorado School of Medicine, Aurora, CO*

SF113 | 11:30 am-1:00 pm

Trauma/Burn/Critical Care I

LOCATION: MN 21

TRACK(S): GEN, TRA

MODERATORS:

Gregory J. Beilman, MD, FACS, *Minneapolis, MN*
Sarvesh Logsetty, MD, FACS, FRCS, *Winnipeg, MB*

Mental Health Burden after Injury: It Is about More Than Just Posttraumatic Stress Disorder

Juan P. Herrera-Escobar, MD, MPH, Ewelina Stanek, Kaye Lu, Kelsey R. Han, Sabrina E. Sanchez, MD, FACS, Haytham M. A. Kaafarani, MD, MPH, FACS, Ali Salim, MD, FACS, Nomi Levy-Carrick, MD, and Deepika Nehra, MD. *Brigham and Women's Hospital, Boston, MA, Massachusetts General Hospital, Boston, MA, Boston Medical Center, Boston, MA*

Platelet Transfusion for Patients with Traumatic Intracranial Hemorrhage Taking Prehospital Antiplatelets: A Systematic Review and Meta-Analysis

Jurgis Alvikas, MD, Sara Myers, MD, MA, MS, Charles Wesel, MLS, Cody Doberstein, Wael Asaad, MD, PhD, Matthew R. Rosengart, MD, MPH, FACS, and Matthew D. Neal, MD, FACS. *University of Pittsburgh, Pittsburgh, PA, Brown University, Providence, RI*

Early Anti-Xa Assay-Guided Low Molecular Weight Heparin Prophylaxis Is Safe in Adult Patients with Acute Traumatic Brain Injury



Simon Rodier, MPhil, Mirhee Kim, Samantha Moore, PharmD, Spiros Frangos, MD, FACS, Manish Tandon, MD, FACS, Michael Klein, MD, Cherisse D. Berry, MD, FACS, Paul P. Huang, MD, FACS, Charles DiMaggio, PhD, MPH, and Marko Bukur, MD, FACS. *Bellevue Hospital Center, New York, NY, New York University School of Medicine, New York, NY*

Utilization of a Collaborative Database to Determine Recidivism Rates Following Firearm Injury



Aaron Marshall, MD, Winni Jose, MD, Lindsay Arnold, MD, Matthew Bozeman, MD, FACS, Brian Harbrecht, MD, FACS, Matthew V. Benms, MD, FACS, and Keith R. Miller, MD, FACS. *University of Louisville, Louisville, KY*

Evaluation of the Prehospital Massive Transfusion Activation Scoring System, Extremity-Mechanism-Shock Index-GCS (EMS-G) with TQIP Data

Alexandra Kovar, MD, Heather L. Carmichael, MD, Robert C. McIntyre, Jr., MD, FACS, Catherine Velopulos, MD, FACS, Erik Peltz, DO, FACS, and Franklin L. Wright, MD. *University of Colorado School of Medicine, Aurora, CO*

Predictors of Mortality in Trauma Patients with Acute Respiratory Distress Syndrome on Extracorporeal Membrane Oxygenation

Miseker E. Abate, MPH, Areg Grigorian, MD, Michael E. Lekawa, MD, FACS, Sebastian D. Schubl, MD, FACS, Matthew O. Dolich, MD, FACS, Patrick T. Delaplain, MD, Catherine M. Kuza, MD, and Jeffry Nahmias, MD, FACS. *University of California, Irvine Medical Center, Orange, CA, University of Southern California, Los Angeles, CA*

SF114 | 11:30 am-1:00 pm**Vascular Surgery I**

LOCATION: MS 158

TRACK(S): VAS

MODERATORS:

Philip P. Goodney, MD, FACS, *Lebanon, NH*Kristina A. Giles, MD, FACS, *Gainesville, FL***The HDAC9 Complex and Vascular Smooth Muscle Cells in Carotid Atherosclerosis and Stroke**Elizabeth L. Chou, MD, Christian L. Lino Cardenas, PharmD, MSc, PhD, Mark F. Conrad, MD, FACS, and Mark E. Lindsay, MD, PhD. *Massachusetts General Hospital, Boston, MA***The Learning Curve for Surgeons Adopting Transcatheter Artery Revascularization (TCAR) Based on the VQI-TCAR Surveillance Project**Vikram S. Kashyap, MD, FACS, Alexander H. King, MS, Patric Liang, MD, Jens Eldrup-Jorgensen, MD, FACS, Grace J. Wang, MD, FACS, Mahmoud B. Malas, MD, MHS, FACS, Brian Nolan, MD, Jack L. Cronenwett, MD, FACS, and Marc L. Schermerhorn, MD, FACS. *University Hospitals Cleveland Medical Center, Cleveland, OH, Beth Israel Deaconess Medical Center, Boston, MA, Maine Medical Center, Portland, ME, University of Pennsylvania, Philadelphia, PA, University of California San Diego, Dartmouth-Hitchcock Medical Center, Lebanon, NH***Postdischarge Opioid Use Following Lower Extremity Bypass Surgery**Mariah B. Blegen, Mark D. Balceniuk, MD, Thais Calderon, Tianna Negron, Brian C. Ayers, MBA, Francesco Cardelli, MD, Jennifer L. Ellis, MD, FACS, Adam J. Doyle, MD, FACS, Roan J. Glocker, MD, MPH, FACS, and Michael C. Stoner, MD, FACS. *University of Rochester Medical Center, Rochester, NY***Risk of Reintervention with Endologix AFX Endovascular Abdominal Aortic Aneurysm (AAA) Systems in an Integrated Health Care System**Kara A. Rothenberg, MD, Jessica C. Harris, MS, RD, Heather A. Prentice, PhD, MPH, Jeffrey H. Hsu, MD, FACS, Thomas F. Rehling, MD, FACS, Nicolas A. Nelken, MD, FACS, and Robert W. Chang, MD, FACS. *University of California, San Francisco-East Bay, Oakland, CA, Kaiser Permanente, San Diego, CA, Southern California Permanente Medical Group, San Diego, CA, Southern California Permanente Medical Group, Fontana, CA, Colorado Permanente Medical Group, Denver, CO, Hawaii Permanente Medical Group, Honolulu, HI, Kaiser Permanente Northern California, San Francisco, CA***A Population-Based Correlation of Regional Intensity of Health Care Utilization and Rates of Amputation Due to Diabetes and Peripheral Arterial Disease**Charles de Mestral, MD, PhD, FRCSC, Mohamad A. Hussain, MD, PhD, Peter C. Austin, MSc, PhD, Thomas L. Forbes, MD, FACS, Harindra C. Wijeyesundera, MD, PhD, FRCPC, Atul Sivaswamy, MSc, Ahmed Kayssi, MD, MPH, FRCSC, Konrad Salata, MD, Subodh Verma, MD, PhD, FRCSC, and Mohammed Al-Omran, MD, MSc, FRCSC. *University of Toronto, Toronto, ON, Canada, ICES, Toronto, ON, Canada***A Brief Educational Intervention at Discharge Reduces Opioid Use and Increases Disposal Following Vascular Surgery**Alexandra Jacobs, MEd, Sean Stokes, MD, Lyen C. Huang, MD, MPH, Robert E. Glasgow, MD, FACS, and Benjamin S. Brooke, MD, PhD, FACS. *University of Utah School of Medicine, Salt Lake City, UT***Perivascular Gene-Targeted Therapy Using Biodegradable CLICK-Gelatin Hydrogels**Patric Liang, MD, David Mooney, PhD, Leena Pradhan-Nabzdyk, PhD, MBA, and Frank W. LoGerfo, MD, FACS. *Beth Israel Deaconess Medical Center, Boston, MA, Harvard University, Cambridge, MA***Endovascular Repair of Ruptured Abdominal Aortic Aneurysm Is Superior to Open Repair:****Propensity-Matched Analysis in the Vascular Quality Initiative**Linda J. Wang, MD, MBA, RPVI, Satinderjit S. Locham, MD, Hanaa Dakour-Aridi, MD, and Mahmoud Malas, MD, MHS, FACS. *Massachusetts General Hospital, Boston, MA, University of California, San Diego, San Diego, CA***SF115** | 11:30 am-1:00 pm**Health Services Research II**

LOCATION: MN 20

TRACK(S): HP

MODERATORS:

Melinda A. Maggard Gibbons, MD, FACS, *Los Angeles, CA*
Hari Nathan, MD, PhD, FACS, *Ann Arbor, MI***Impact of a Funds Flow Model on Surgeon Productivity at One Academic Medical Center**Zviadi Aburjania, MD and Brenessa M. Lindeman, MD. *University of Alabama at Birmingham, Birmingham, AL***Is LYMPHA Cost Effective? A Cost-Utility Analysis Evaluating the Impact of LYMPHA on Cost and Patient Quality of Life**Anna Rose Johnson, MPH, Ammar Asban, MD, Melisa D. Granoff, Bernard T. Lee, MD, MBA, MPH, FACS, Abhishek Chatterjee, MD, MBA, and Dhruv Singhal, MD. *Beth Israel Deaconess Medical Center, Boston, MA, The University of Alabama at Birmingham, Birmingham, AL, Tufts University, Boston, MA*

Assessment of Non-Routine Events during Intubation for Pediatric Trauma

Emily C. Alberto, MD, Michael J. Amberson, MD, Megan Cheng, Zhichao Xu, Aleksandra Sarcevic, PhD, Karen J. O'Connell, MD, and Randall S. Burd, MD, PhD, FACS. *Children's National Health System, Washington, DC, Rutgers University, Piscataway, NJ, Drexel University, Philadelphia, PA*

Stand Your Ground: The Impact of Policy on Justifiable Homicide in the U.S.

Marc S. Levy, MD, FACS, Wilmer Alvarez, MA, MBA, Lauren Vagelakos, MPH, MBA, and Michelle Yore, MSPH. *Orlando Health, Arnold Palmer Hospital for Children, Orlando, FL*

Accurate Parsimonious Prediction of Postoperative Discharge Destination

Abhinav Singh, MD, Michael R. Bronsert, PhD, MS, Anne Lambert-Kerzner, PhD, MSPH, William G. Henderson, PhD, MPH, Karl E. Hammermeister, MD, and Robert A. Meguid, MD, FACS. *University of Colorado Health School of Medicine, Aurora, CO, Adult and Child Consortium for Health Outcomes Research and Delivery Science, Aurora, CO*

A Comprehensive Analysis of Breast Cancer Survival Outcomes in a Public Safety-Net Hospital Compared to an Adjacent Academic Cancer Center

Kristin N. Kelly, MD, MPH, Emily Ryon, MD, Francis Igor B. Macedo, MD, Dido Franceschi, MD, FACS, Mecker Moller, MD, FACS, Eli Avisar, MD, FACS, Erin N. Kobetz, PhD, MPH, Nipun Merchant, MD, FACS, Susan B. Kesmodel, MD, FACS, and Neha Goel, MD. *University of Miami, Miami, FL*

Excess Mortality after Emergency General Surgery (EGS) Readmission at Non-Index Hospitals: Patient and System Contributors

Austin R. Cannon, MD, Matthew R. Kingsbury, Chelsea M. Allen, PhD, Angela P. Presson, PhD, Lyen C. Huang, MD, MPH, and Marta L. McCrum, MD, MPH, FACS. *University of Utah Hospitals & Clinics, Salt Lake City, UT*

The Rural Patient Experience after Surgery

Lyen C. Huang, MD, MPH, Jordan Esplin, Jessica Cohan, MD, MS, Mark Savarise, MD, MBA, FACS, and Kimberly A. Kaphingst, PhD. *University of Utah, Salt Lake City, UT, Huntsman Cancer Institute, Salt Lake City, UT*

**SP115 | 2:30-4:00 pm
e-Posters II**

LOCATION: MS 201-203

TRACK(S): BTR, CRS, EDU, GEN, ONC, TRA

e-Posters are listed in the Scientific Forum e-Poster section on page 170.

**SF116 | 2:30-4:00 pm
Bariatric/Foregut I**

LOCATION: MS 158

TRACK(S): BTR, GEN

MODERATORS:

Jacob A. Greenberg, MD, FACS, *Madison, WI*

Tammy Kindel, MD, PhD, FACS, FASMBS, *Brookfield, WI*

The alpha7 Nicotinic Acetylcholine Receptor (α7nAChR) Agonist GTS-21 Regulates Glycemic Control and Gut Hormones

Napat Pruekprasert, MD, Qinghe Meng, MD, Chunli Liu, MD, Han Xie, MD, and Robert N. Cooney, MD, FACS. *State University of New York (SUNY) Upstate Medical University, Syracuse, NY*

Does Race Impact Patient-Reported Outcomes (PROs) for Bariatric Surgery? An Assessment with the BODY-Q: Bariatric Module—a Novel More Rigorous PRO Measures Tool

Tomas Tesfasilassie, Claire de Vries, MD, Dennis Makarawung, MD, Valerie Monpellier, MD, Bart van Wagenveld, MD, PhD, and Andrea Pusic, MD, FACS. *University of California, San Francisco, San Francisco, CA, OLVG West, Amsterdam, Netherlands, Sint Antonius Ziekenhuis, Amsterdam, Netherlands, Dutch Obesity Clinic, Huis ter Heide, Netherlands, QURO Obesity Center, Dubai, United Arab Emirates, Brigham and Women's Hospital, Boston, MA*

Bariatric Surgery and Rapid Weight Loss Improve Ventricular Ejection Fraction in Severely Obese Subjects with Heart Failure

Mauricio Sarmiento Cobos, MD, Lisandro Montorfano, MD, Carlos E. Rivera, MD, Camila Ortiz Gomez, MD, David A. Funes, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS, and Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Prophylactic Inferior Vena Cava Filters Do Not Reduce Thromboembolism or Mortality for Gastric Bypass

Amlish B. Gondal, MD, Alfonso E. Ayala, Eric M. Hines, and Iman Ghaderi, MD, MHPE, MSc, FACS, FRSCS, FASMBS. *Banner University Medical Center, University of Arizona, Tucson, AZ, University of Arizona College of Medicine, Tucson, AZ*

Impact of Diabetes Mellitus on Bariatric Surgery Outcomes: A MBSAQIP Analysis

Santosh Swaminathan, MBBS, Jahnavi Kakuturu, MD, and Shohan Shetty, MD, FACS. *St. Mary's Hospital, Waterbury, CT*

Incidence of Alcohol Cravings, Alcohol Use Disorder, and Relapse after Bariatric Surgery: Outcomes from a Prospective Study at a High-Volume Metabolic and Bariatric Program

Rodolfo J. Oviedo, MD, FACS, FASMBS, Patrick Northcraft, FNP-C, Sandra Snider, CST, MBSCR, and Tina Shelton, MS, RN, CBN. *Valley Health Metabolic & Bariatric Program, Winchester, VA, Winchester Medical Center, Winchester, VA*

Changes in Neutrophil Lymphocyte Ratio and Peri Aortic Fat Triggered by Rapid Weight Loss after Bariatric Surgery

Carlos E. Rivera, MD, Mauricio Sarmiento Cobos, MD, Lisandro Montorfano, MD, Shiksha Joshi, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS, and Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Choice of Sleeve Gastrectomy vs. Gastric Bypass among Patients with Kidney Disease

John R. Montgomery, MD, Seth A. Waits, MD, Justin B. Dimick, MD, FACS, and Dana A. Telem, MD, MHS. *University of Michigan, Ann Arbor, MI*

Gastric Bypass Superior to Sleeve Gastrectomy for Obese Patients with End-Stage Renal Disease: A Decision Analysis

Rashikh A. Choudhury, MD, Hunter Moore, MD, PhD, Peter L. Abt, MD, FACS, and Trevor L. Nydam, MD, FACS. *University of Colorado, Aurora, CO, University of Colorado, Denver, CO, University of Pennsylvania Hospital, Philadelphia, PA*

Decreased Leak Rate and Need for Re-Intervention with Use of Closed Suction Calibration System: A Bariatric Surgery Quality Improvement Project

Yewande Alimi, MD, Mariana Vigiola Cruz, MD, Anyea Lovette, MS, RD, Jenny Shao, MD, Ariana Metchik, MD, Elizabeth A. Zubowicz, MD, FACS, John Brebbia, MD, Ivanesa L. Pardo, MD, FACS, and Timothy Shope, MD, FACS. *Medstar Georgetown University Hospital-Washington Hospital Center, Washington, DC*

Trends in Utilization and Perioperative Outcomes in Robotic-Assisted Bariatric Surgery

Amlish B. Gondal, MD, Eric M. Hines, Alfonso E. Ayala, and Iman Ghaderi, MD, MHPE, MSc, FACS, FRSCS, FASMBS. *Banner University Medical Center, University of Arizona, Tucson, AZ*

The Risk of Public Insurance on Non-Urgent vs. Urgent 30-Day Readmissions after Bariatric Surgery

Anahita D. Jalilvand, MD, Bradley J. Needleman, MD, FACS, and Sabrena Noria, MD, PhD, FACS. *The Ohio State University Wexner Medical Center, Columbus, OH*

SF117 | 2:30-4:00 pm

Colon and Rectal Surgery II

LOCATION: MN 23

TRACK(S): CRS

MODERATORS:

Jonathan B. Mitchem, MD, *Columbia, MO*

Valentine N. Nfonso, MD, FACS, FASCRS, *Tucson, AZ*

Variation in Colectomy Rates for Benign Polyps

Joceline V. Vu, MD, Kyle H. Sheetz, MD, Ana C. De Roo, MD, Tadd Hiatt, MD, and Samantha K. Hendren, MD, MPH, FACS. *University of Michigan, Ann Arbor, MI*

Stop Over-Prescribing Opioids Following Colorectal Surgery: More Than Half of Patients Don't Take Them After Surgery

David C. Meyer, MD, Adam J. Resnick, Susanna S. Hill, MD, Cristina R. Harnsberger, MD, Paul R. Sturrock, MD, Jennifer S. Davids, MD, FACS, FASCRS, Justin A. Maykel, MD, FACS, FASCRS, and Karim Alavi, MD, MPH, FACS, FASCRS. *University of Massachusetts Medical School, Worcester, MA*

Predictors of High Use and Variability in Opioid Utilization after Laparoscopic Colorectal Surgery

Deborah S. Keller, MD, Thais Reif de Paula, MD, James M. Kiely, MD, FACS, and Ravi P. Kiran, MD. *Columbia University Medical Center, New York, NY*

The Prognostic Impact of KRAS Mutational Status in Patients with Colorectal Cancer Liver Metastases Differs According to the Location of the Primary Tumor

Neda Amini, MD, Georgios Antonios Margonis, MD, PhD, Martin E. Kreis, MD, FACS, George A. Poultsides, MD, FACS, Kazunari Sasaki, MD, Doris Wagner, MD, Emmanouil Pikoulis, MD, PhD, FACS, Matthew J. Weiss, MD, FACS, Christopher L. Wolfgang, MD, FACS, and Bashar Safar, MD, FACS. *Johns Hopkins University, Baltimore, MD, Charite Campus Benjamin Franklin, Berlin, Germany, Stanford University School of Medicine, Stanford, CA, Cleveland Clinic, Cleveland, OH, Medical University of Graz, Graz, Austria, National and Kapodistrian University of Athens, "Attikon" University General Hospital, Athens, Greece, Northwell Health Cancer Institute, New York, NY*

Prospective Analysis of an Acoustic Biomarker for Successful Early Oral Re-Feeding Following Major Abdominal Surgery

Jennifer E. Hrabec, MD, Muneera R. Kapadia, MD, FACS, Irena Gribovskaja-Rupp, MD, FACS, Katrina Emmett, MD, FACS, Alex Mathew, MD, Daniel Wandrey, MD, FACS, and John W. Cromwell, MD, FACS. *University of Iowa Hospitals and Clinics, Iowa City, IA, Texas Breast Specialists, Mansfield, TX, University of Tennessee Health Science Center, Memphis, TN, Texas Oncology, Rockwall, TX*

Postoperative Pain Control: Barriers to Quality Improvement

Elizabeth Lancaster, MD, Tasce Bongiovanni, MD, Elizabeth Wick, MD, FACS, and Kenzo Hirose, MD, FACS. *University of California, San Francisco, San Francisco, CA*

Who Makes the Cut? An Updated Analysis on Trends and Disparities for Minimally Invasive Colorectal Surgery in the U.S.

Evelena Cousin-Peterson, MD, Haroon C. Janjua, MS, Boris I. Chobrutskiy, Greta Bernier, MD, Alexandria Conley Glenn, MD, Paul Kuo, MD, FACS, and Jaime Sanchez, MD, MSPH, FACS. *University of South Florida, Tampa, FL*

Discharge Destination Following Elective Major Colectomy: An Analysis of Preoperative and Intraoperative Predictive Factors

Pamela Lu, MD, David A. Mahvi, MD, FACS, Mehida Rojas-Alexandre, MD, Richard Urman, MD, MBA, Jason S. Gold, MD, FACS, and Edward E. Whang, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Creation of a Multidisciplinary Ambulation Protocol Is Associated with a Decrease in Postoperative Venous Thromboembolism after Colorectal Surgery

Aneel Damle, MD, Philip S. Bauer, MD, Victoria Peck, MHS, CURN, CPPS, Chady Atallah, MD, David Rosen, MD, and Matthew Silveira, MD. *Washington University in St. Louis, School of Medicine, St. Louis, MO*

Evaluating the Association of the New American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP®) Modified 5-Factor Frailty Index and Outcomes in Elective Colorectal Surgery

Thais Reif de Paula, MD, Samantha K. Nemeth, MA, MPH, Ravi P. Kiran, MD, FACS, and Deborah S. Keller, MD. *Columbia University Medical Center, New York, NY*

SF118 | 2:30-4:00 pm
Hepatobiliary and Pancreas I

LOCATION: MS 153

TRACK(S): GEN

MODERATORS:

John B. Martinie, MD, FACS, *Charlotte, NC*Sam G. Pappas, MD, FACS, *Chicago, IL***A National Analysis of Treatment Approaches, Margin Status, and Survival between Surgical Approaches in Hepatocellular Carcinoma at Academic Centers and Non-Academic Centers**Daniel Cheng, MD, MPH and Chad L. Cross, PhD. *University of Nevada, Las Vegas, NV***Does the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP®) Accurately Predict Mortality for Patients with Liver Disease?**Madeline B. Torres, MD, Eric W. Schaefer, MS, and Amanda B. Cooper, MD, FACS. *Penn State Health Milton S. Hershey Medical Center, Hershey, PA***Proposal of a Nomogram to Predict Surgical Risks and Survival Benefit Following Liver Resection for Hepatocellular Carcinoma on Child-Pugh Class B Liver Cirrhosis. Short- and Long-Term Outcomes from an International Multi-Institutional Analysis**Giammauro Berardi, MD. *Gent University Hospital, Gent, Belgium***Comparison of Albumin-Bilirubin and MELD in Predicting Post-Hepatectomy Liver Failure**Alexander M. Fagenson, MD, Elizabeth M. Gleeson, MD, Sunil Karhadkar, MD, FACS, Antonio Di Carlo, MD, FACS, Henry A. Pitt, MD, FACS, and Kwan N. Lau, MD, FACS. *Temple University Hospital, Philadelphia, PA, Hahnemann Hospital, Drexel University College of Medicine, Philadelphia, PA***Hepatectomy for Breast Cancer Metastasis More Likely to Have Adverse Outcomes Than Hepatectomy for Sarcoma, Primary Hepatocellular Cancer, or for Colorectal Metastasis**Hassan Aziz, MD, Muhammad Zeeshan, MD, Navpreet Kaur, MD, Yuri S. Genyk, MD, FACS, Robert R. Selby, MD, and Mohd Raashid A. Sheikh, MBBS, FACS. *University of Southern California, Los Angeles, CA, University of Arizona, Tucson, AZ***Who Benefits Most from Liver Resection for Hepatocellular Carcinoma?: Assessment by****18F-Fluorodeoxyglucose Positron Emission Tomography**
Tomoaki Yoh, MD, PhD, Satoru Seo, MD, PhD, Toshimi Kaido, MD, PhD, Kojro Taura, MD, PhD, Satoshi Ogiso, MD, PhD, FACS, Takamichi Ishii, MD, PhD, and Shinji Uemoto, MD, PhD. *Kyoto University, Kyoto, Japan, Tango Central Hospital, Kyo-Tango, Japan***Sound Advantages of Microwave over Radiofrequency Ablation?**Elizabeth M. Gleeson, MD, Carlton C. Barnett, MD, FACS, and Henry A. Pitt, MD, FACS. *Drexel University College of Medicine, Philadelphia, PA, University of Colorado School of Medicine, Aurora, CO, Lewis Katz School of Medicine at Temple University, Philadelphia, PA***Laparoscopic vs. Open Resection for Hepatocellular Carcinoma in Patients with Child-Pugh Class B Liver Cirrhosis: An International Multicenter Propensity Score-Matched Analysis**Giammauro Berardi, MD. *Gent University Hospital, Gent, Belgium***Prevalence of Sarcopenia in Colorectal Liver Metastases Varies According to Primary Tumor Location**James E. Waha, MD, Doris Wagner, MD, FEBS, Sebastian Wisiak, MD, Peter Kornprat, MD, Georg Werkgartner, MD, and Hans Jörg Mischinger, MD, FEBS, FRCS. *Medical University of Graz, Graz, Austria***SF119 | 2:30-4:00 pm**
Pediatric Surgery I

LOCATION: MN 21

TRACK(S): PED

MODERATORS:

Sundeeep G. Keswani, MD, FACS, *Houston, TX*Erika A. Newman, MD, FACS, *Ann Arbor, MI***Promotion of Metastasis by Surgical Excision of the Primary Tumor Reflects Changes in the Lung Immune Microenvironment**Michelle P. Kallis, MD, Caroline Maloney, MD, Marc Symons, PhD, Bettie M. Steinberg, PhD, and Samuel Z. Soffer, MD, FACS. *Cohen Children's Medical Center, New Hyde Park, NY, Feinstein Institute for Medical Research at Northwell Health, Manhasset, NY***Optimizing Sustained Release Local Therapy: Single vs. Dual Chemotherapy for the Treatment of Neuroblastoma**Jordan S. Taylor, MD, Burcin Yavuz, PhD, Jasmine Zeki, Naohiko Ikegaki, PhD, Jeannine M. Coburn, PhD, Kristin Harrington, Hiroyuki Shimada, MD, PhD, David L. Kaplan, PhD, and Bill Chiu, MD, FACS. *Stanford University, Stanford, CA, Tufts University, Medford, ME, University of Illinois at Chicago, Chicago, IL, Children's Hospital Los Angeles, Los Angeles, CA***Novel Retinoic Acid Derivative Induces Differentiation and Growth Arrest in Neuroblastoma**Raoud Marayati, MD, Adele P. Williams, MD, Colin H. Quinn, Jerry E. Stewart, Venkatram R. Atigadda, PhD, and Elizabeth A. Beierle, MD, FACS. *University of Alabama at Birmingham, Birmingham, AL***Lineage Tracing of Hepatic Progenitor Cells Reveals Transcriptional Changes of Murine Cholestatic Liver Injury**Michael Fenlon, MD, Jiabo Xu, MS, Elaa Mahdi, MD, Alison Glazier, PhD, and Kasper Wang, MD, FACS, FAAP. *Children's Hospital Los Angeles, Los Angeles, CA***Induced Pluripotent Stem Cell-Derived Enteric Neural Crest Cells Repopulate Human Aganglionic****Tissue-Engineered Intestine**Samuel M. Zuber, MD, Laura-Marie A. Nucho, MS, MBA, Anthony I. Squillaro, MD, MPH, Gabriel Levin, MS, David F. Chang, PhD, Alexa M. Fode, Elizabeth A. Gilliam, MD, MPH, Christopher R. Schlieve, MD, and Tracy C. Grikscheit, MD, FACS. *Children's Hospital Los Angeles, Los Angeles, CA*

A CIRP-Derived TREM-1 Inhibitor Improves Acute Lung Injury and Survival in Intestinal Ischemia/Reperfusion Injury



Naomi-Liza Denning, MD, Monowar Aziz, PhD, Jose M. Prince, MD, FACS, and Ping Wang, MD. *Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, The Feinstein Institute for Medical Research at Northwell Health, Manhasset, NY, Cohen Children's Medical Center, New Hyde Park, NY*

Enteral Antibiotics Stimulate Small Intestinal Mucosal Growth in Mice

Matthew P. Shaughnessy, MD, Christine J. Park, MD, and Robert A. Cowles, MD, FACS. *Yale University, New Haven, CT*

Lgr5 Intestinal Stem Cells Increase with Age and Exposure to Breastmilk

Brian Hosfield, MD and Troy A. Markel, MD, FACS. *Indiana University, Indianapolis, IN*

SF120 | 2:30-4:00 pm Surgical Education II

LOCATION: MN 22

TRACK(S): EDU

MODERATORS:

Rahul J. Anand, MD, FACS *Glen Allen, VA*

Gurjit Sandhu, PhD, *Ann Arbor, MI*

The Meritocracy: A Novel Team-Based Learning Paradigm in General Surgical Training

Joshua K. Ramjist, MD, MSc, Jennie Kim, MD, and Rebecca Rhee, MD, FACS. *Maimonides Medical Center, Brooklyn, NY*

Self-Directed, Sequential, and Incremental Video-Based Training (VBT) Is Effective in Teaching Novices Basic Surgical Skills

Norman H. Kumins, MD, Vivian L. Qin, Erin C. Driscoll, Katherine L. Morrow, MS, Vikram S. Kashyap, MD, FACS, Anne Y. Ning, Nicholas J. Tucker, and Humzah A. Quereshey. *University Hospitals Cleveland Medical Center, Case Western Reserve University, Cleveland, OH*

Sub-Step Practice Approach in Surgical Education—Importance vs. Reality

Anjali A. Roeth, MD, MSc, Ines Richardsen, MD, Carsten Klinger, Markus Mille, MD, and Tobias Huber, MD. *RWTH Aachen University Hospital, Aachen, Germany, Young Surgeons Working Group (CAJC) of the German Society for General and Visceral Surgery, Berlin, Germany, German Armed Forces Central Hospital, Koblenz, Germany, German Society for General and Visceral Surgery (DGAV), Berlin, Germany, Helios Hospital Erfurt, Erfurt, Germany, University Medical Center of the Johannes Gutenberg-University, Mainz, Germany*

A Review of General Surgery Resident Experience in Common Bile Duct Exploration in the ERCP Era

Rachel Warner, DO, James Bardes, MD, David C. Borgstrom, MD, MBA, FACS, and Daniel J. Grabo, Jr., MD, FACS. *West Virginia University, Morgantown, WV*

Educational Outcomes of a Preclinical Medical Student Curriculum with Medicaid and Uninsured Surgical Oncology Patients

Lindsey A. Olivere, Kristen E. Rhodin, Cierra Hong, Taofik Oyekunle, Elizabeth Howell, Vinay K. Giri, Kurren Mehta, Betty C. Tong, MD, MHS, FACS, Julie A. Sosa, MD, MA, FACS, and Oluwadamilola M. Fayanju, MD, MA, MPHS. *Duke University, Durham, NC, University of California, San Francisco, San Francisco, CA*

A Novel Group-Based Approach to Improve Medical Students' Nontechnical Skills

Marios Nicolaides, Efthymia Theodorou, John G. Hanrahan, MBBS, Iakovos Theodoulou, Emin I. Elif, Georgios Tsoulfas, MD, PhD, FACS, FICS, Apostolos Papalois, PhD, and Sideris Michail, MD, MDRes, PhD. *Queen Mary University of London, London, United Kingdom, King's College London, London, United Kingdom, Aristotle University of Thessaloniki, Thessaloniki, Greece, Experimental Research Centre ELPEN, Athens, Greece*

A Weekly Dedicated Administrative Hour Improves Surgical Resident Compliance with Duty-Hour and Case Log Reporting

Kathrine A. Kelly-Schuetz, DO, Bennett C. Osantowski, Mathew H. Chung, MD, FACS, and Gerald P. Wright, MD. *Spectrum Health, Grand Rapids, MI, Michigan State College of Human Medicine, Grand Rapids, MI*

Student Debt Is a Major Source of Anxiety among Surgical Residents

James T. Ross, MD, Kelly M. Mahuron, MD, and Derek Ward, MD. *University of California, San Francisco, San Francisco, CA*

Dry Lab Training: 3D-Printed Models to Simulate Robotic Assisted Antireflux Surgery

Zhifei Wang, MD, MBBS, FACS. *Zhejiang Provincial People's Hospital, Hangzhou, China*

Development and Validation of a Low-Fidelity Cost-Effective Model for Bronchoscopy Simulation Training

Nicole J. Krumrei, MD, FACS, Russell J. Pepe, Barbara Perry, MBA, Sugeet Jagpal, MD, Sabiha Hussain, MD, and Nell Maloney Patel, MD, FACS, FACRS. *Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ*

SF121 | 2:30-4:00 pm

Transplantation and Tissue Engineering I

LOCATION: MN 20

TRACK(S): BTR, GEN

MODERATORS:

Eric A. Elster, MD, FACS, *Bethesda, MD*

Oscar K. Serrano, MD, *Hartford, CT*

Epithelial-to-Mesenchymal Transition: A Cellular Mediator of Biliary Injury after Liver Transplant

Niluka A. Wickramaratne, MD, Ru Li, MD, PhD, Ria C. Fyffe-Freil, MS, and Martin J. Mangino, PhD. *Virginia Commonwealth University, Richmond, VA*

Outcomes after Left Lobe vs. Right Lobe Living Donor Liver Transplantation: A Propensity Score-Match Analysis

Tiffany C. Wong, MD, FACS, Jeff Dai, MD, FRCS, Tan To Cheung, MBBS, FACS, and Kelvin K. Ng, MBBS, MS, PhD, FACS, FHKAM, FRCSEd. *The University of Hong Kong, Hong Kong, China, University of Hong Kong-Shenzhen Hospital, Shenzhen, China*

Fast Magnetic Reconstruction of Vascular for Rapid Liver Transplantation

Shanpei Wang, MD and Yi Lv, MBBS. *First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China*

Practitioner Availability Rather Than Surgical Outcomes Matters in the Utilization of Liver Transplantation for Hepatocellular Carcinoma

Yanik Bababekov, MD, MPH, Jin-Ming Wu, MD, PhD, Ya-Ching Hung, MD, MPH, Yu-Tien Hsu, MD, MPH, Charles G. Rickert, MD, PhD, Leigh Anne Dageforde, MD, MPH, David C. Chang, MD, MPH, MBA, PhD, and Heidi Yeh, MD, FACS. *Massachusetts General Hospital, Boston, MA, National Taiwan University Hospital, Taipei, Taiwan*

3D Bioprinted Functional and Contractile Cardiac Tissue Constructs

Sang J. Lee, PhD, John D. Jackson, PhD, James J. Yoo, MD, PhD, and Anthony Atala, MD, FACS. *Wake Forest University School of Medicine, Winston-Salem, NC*

Cytomegalovirus (CMV) Infection Induces an Angiogenic Response through Hepatic Stellate Cells (HSCs) and Leads to Early Post-Transplant Liver Fibrosis (LF) and Poor Graft Survival

B. Handan Ozdemir, MD, Gonca Ozgun, MD, Ebru H. Ayvazoglu Soy, MD, Nihan Haberal, MD, Gokhan Moray, MD, FACS, and Mehmet A. Haberal, MD, FACS(Hon). *Baskent University, Ankara, Turkey*

Acute Rejection in the First Year Post-Kidney Transplantation: A Vanishing Endpoint but Is It Still Clinically Relevant?

David B. Leaser, MD, MBA, FACS, William Irish, PhD, Kadiyala Ravindra, MD, MBBS, FACS, and Janet E. (Betsy) Tuttle-Newhall, MD, FACS. *East Carolina University, Greenville, NC, Duke University, Durham, NC*

Outcomes of En Bloc Simultaneous Liver-Kidney Transplantation Compared to the Traditional Technique

Tiffany C. Lee, MD, Alexander R. Cortez, MD, Al-Faraz Kassam, MD, Mackenzie C. Morris, MD, Leah K. Winer, MD, and Shimul A. Shah, MD, FACS. *University of Cincinnati, Cincinnati, OH*

SF122 | 4:15-5:45 pm Breast I

LOCATION: MS 153

TRACK(S): GEN, ONC

MODERATORS:

Elisa R. Port, MD, FACS, *New York, NY*

Lee G. Wilke, MD, FACS, *Madison, WI*

Does the False-Negative Rate for 1 or 2 Negative Sentinel Nodes after Neoadjuvant Chemotherapy Translate into a High Local Recurrence Rate?

Darren B. Sachs, DO, Nicole M. Melchior, DO, Salvatore Nardello, DO, Mengying Deng, Elin R. Sigurdson, MD, FACS, Allison A. Aggon, DO, John M. Daly, MD, FACS, and Richard J. Bleicher, MD, FACS. *Fox Chase Cancer Center, Philadelphia, PA, Fox Chase Cancer Center, Gladwyne, PA*

Routine Use of MRI May Exaggerate Clinical Stage and Indication for Neoadjuvant Chemotherapy for Her2+ Breast Cancer-A Single Institution Experience

Christopher McGreevy, MD, Maria Pomponio, Susanna M. Nazarian, MD, FACS, and Julia C. Tchou, MD, FACS. *University of Pennsylvania, Philadelphia, PA*

Incidental Radiologic Findings in Breast Cancer Patients Who Undergo Staging Prior to Neoadjuvant Chemotherapy

Marissa K. Srour, MD, Minna Lee, MD, Sarah Walcott-Sapp, MD, Michael Luu, MPH, Alice P. Chung, MD, FACS, Armando E. Giuliano, MD, FACS, and Farin Amersi, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

Neoadjuvant Chemotherapy (NAC) Does Not Provide Treatment Benefit in Patients with Low Disease Burden

Maria Pomponio, Luke Keele, PhD, Susanna M. Nazarian, MD, FACS, and Julia C. Tchou, MD, FACS. *Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA*

Clinical Impact of Delaying Surgery in Patients Undergoing Neoadjuvant Chemotherapy (NAC) on Breast Cancer Recurrence and Survival

Holly M. Yong, MD and Anna M. Leung, MD, FACS. *Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA*

Use of Adjuvant Chemoendocrine Therapy vs. Adjuvant Endocrine Therapy in Node Negative Early Stage Breast Cancer Patients Stratified as Midrange Risk by 21-Gene Oncotype DX Breast Recurrence Score Assay: A Meta-Analysis Study

Patrick Adrian G. Gonong, MD, Maila Rose L. Torillo, MD, FACS, Linelle Stacy T. Lao, MD, and Albert U. Soliven, MD. *Chinese General Hospital, Metro Manila, Philippines*

Does Locoregional Treatment (LRT) in De Novo Stage IV Bone-Only Metastatic Breast Cancer (BC) Prolong Survival? Ongoing Multicenter Registry Study

Atilla Soran, MD, FACS, Arda Isik, MD, Lutfi Dogan, MD, Efe Sezgin, PhD, and Serdar Ozbas, MD. *University of Pittsburgh Medical Center, Pittsburgh, PA, Erzincan University School of Medicine, Erzincan, Turkey, Sağlık Bilimleri Üniversitesi Abdurrahman Yurtaslan Ankara Onkoloji SUAM, Ankara-Turkey, Ankara, Turkey, IzTech, Izmir, Turkey, Güven Hastanesi, Ankara, Turkey*

Tonsoku Like Protein-Facilitates Chromatin Transcription Complex (TONSL-FACT): Illuminating Unsuspected Culprits in Breast Cancer Initiation

Rebecca C. Dirks, MD, Jacob Olson, MS, Xi Rao, PhD, Yunlong Liu, PhD, Kenneth Nephew, PhD, Fang Fang, PhD, and Harikrishna Nakshatri, PhD. *Indiana University School of Medicine, Indianapolis, IN, Indiana University Purdue University, Indianapolis, IN, IUPUI Center for Computational Biology and Bioinformatics, Indianapolis, IN*

Novel Score Established by Lung Metastasis Cells Predicts Prognosis and Treatment Response of Breast Cancer Patients

Masanori Oshi, MD, Eriko Katsuta, MD, PhD, and Kazuaki Takabe, MD, PhD, FACS. *Roswell Park Cancer Institute, Buffalo, NY*

Evaluation of Imaging Nodal Staging for Breast Invasive Lobular Carcinoma

Ishani Shah, MS2, Katelyn Schumacher, MS2, Marc Inciardi, MD, Maura O'Neil, MD, Amanda L. Amin, MD, FACS, Christa R. Balanoff, MD, FACS, Jamie Wagner, DO, and Kelsey E. Larson, MD. *University of Kansas Medical Center, Kansas City, KS*

SF123 | 4:15-5:45 pm Cardiac Surgery II

LOCATION: MS 158

TRACK(S): CTS

MODERATORS:

Jason P. Glotzbach, MD, FACS, *Salt Lake City, UT*
Leora T. Yarboro, MD, FACS, *Charlottesville, VA*

Blood Transfusion Reduction in Primary Isolated Coronary Artery Bypass (CABG) after Implementation of Judicious Protocol

Rami Akhrass, MD, FACS, Faisal Bakaeen, MBBCh, FACS, Edward Soltesz, MD, FACS, Zade Akas, MS, Gillinov Marc, MD, and Lars Svensson, MD, FACS. *Cleveland Clinic, Cleveland, OH*

Children with Congenital Heart Diseases: Any Correlation between Mitochondrial Functions of Myocardium, Cardiac Markers, and Histopathological Changes?

Zeynep Ucar, MD, Ayse T. Aydinoglu, MSc, Tayfun H. Akbaba, MSc, Sevgen C. Onder, MD, Banu Balci-Peynircioglu, PhD, Burcu Balci-Hayta, PhD, and Metin Demircin, MD. *Hacettepe University Faculty of Medicine, Ankara, Turkey*

Acute Hyperglycemia Exacerbates Myocardial Ischemia/Reperfusion Injury by Activating a FPR1-HMS-NADPH Oxidase Pathway

Aimee Zhang, MD, Di Wu, MS, Dongfeng Pan, PhD, Irving L. Kron, MD, FACS, and Zequan Yang, MD, FACS. *University of Virginia, Charlottesville, VA, University of Arizona, Tucson, AZ*

Initial Experience with Enhanced Recovery after Cardiac Surgery at a North American Academic Cardiac Surgery Center: A Comparative Analysis

Farhang Yazdchi, MD, MS, Sameer Hirji, MD, Jennifer Choi, Edward Percy, MD, Marc Pelletier, MD, MSc, Siobhan McGurk, MS, Dan Loberman, MD, Sary Aranki, MD, Prem Shekar, MD, and Tsuyoshi Kaneko, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Short-Term Outcomes in Cardiac Surgery with Preoperative ADP-Inhibitor Use: A Propensity-Matched Analysis

Christopher Bargoud, Hannah Rhee, Anna Olds, Russell J. Pepe, Viktor Y. Dombrovskiy, MD, PhD, MPH, Anthony Lemaire, MD, FACS, and Leonard Lee, MD, FACS. *Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ*

Predictors of and Outcomes after Readmission to the Cardiac Intensive Care Unit

Cecilia Lui, MD, Enoch Yeung, MD, Jane Long, Alejandro Suarez-Pierre, MD, Xun Zhou, MD, Marc Sussman, MD, and Glenn J. R. Whitman, MD, FACS. *Johns Hopkins University School of Medicine, Baltimore, MD, The Johns Hopkins Hospital, Baltimore, MD*

Modified Whole Blood Microplegia vs. Buckberg Cardioplegia in Adult Cardiac Surgery with Prolonged Bypass Time

Nicole Lin, Taylor James, Cristiano Faber, MD, Marcos A. Nores, MD, FACS, and Sotiris C. Stamou, MD, FACS. *University of Miami, Miller School of Medicine, Miami, FL, JFK Medical Center, Atlantis, FL*

Predictive Hemodynamic Monitoring in Cardiac Surgery: An Observational Validation Study of the Hypotension Prediction Index (HPI)

William B. Rothstein, MD, Sergio B. Navarrete, DO, and Michael J. Scott, MBChB. *Virginia Commonwealth University Health System, Richmond, VA*

Fibrinolysis Phenotypes Differ amongst Cardiac Surgery Patients: Antifibrinolytic Therapy for All?

Matthew Sussman, MD, Michelle B. Mulder, MD, Emily L. Ryon, MD, Hogan Brecount, Stephen P. Wittels, Nicholas Namias, MD, MBA, FACS, David Galbut, MD, Tomas Salerno, MD, FACS, and Kenneth G. Proctor, PhD. *University of Miami, Miller School of Medicine, Miami, FL, Jackson Memorial Hospital, Miami, FL*

SF124 | 4:15-5:45 pm General Surgery II

LOCATION: MN 20

TRACK(S): GEN

MODERATORS:

Angela M. Ingraham, MD, FACS, *Madison, WI*
Matthew D. Neal, MD, FACS, *Pittsburgh, PA*

Prospective Evaluation of Health Literacy and Its Impact on Outcomes after Emergency General Surgery

Elisa Calabrese, MS, Zaid Haddadin, MD, Mohammad K. Hamidi, MD, Abdul Tawab K. Saljuqi, MD, MPH, El Rasheid Zakaria, MD, PhD, Lynn M. Gries, MD, FACS, Muhammad Zeeshan, MD, Narong Kulvatunyou, MD, Kamil Hanna, MD, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

A 'Weekend Effect' in Operative Emergency General Surgery

Justin S. Hatchimonji, MD, MBE, Elinore J. Kaufman, MD, MSHP, Catherine E. Sharoky, MD, MSCE, Lucy Ma, and Daniel N. Holena, MD, MSCE, FACS. *Hospital of the University of Pennsylvania, Philadelphia, PA*

Characteristics of Interhospital Transfers to a Tertiary Care Hospital Requiring Surgical Evaluation

Caroline E. Reinke, MD, FACS, Samuel W. Ross, MD, B. Lauren Paton, MD, FACS, Lynnette Schiffern, MD, FACS, Timothy Hetherington, Addison May, MD, FACS, and Brent D. Matthews, MD, FACS. *Carolinas Medical Center, Charlotte, NC*

Emergency General Surgery Procedures with the Most Frequent Readmissions and Predictors of 30-Day Readmission

Isolina R. Rossi, MD, Caroline E. Reinke, MD, FACS, and Samuel W. Ross, MD. *Carolinas Medical Center, Charlotte, NC*

Effect of Low-Molecular-Weight Heparin on Prevention of Venous Thromboembolism after Laparoscopic Surgery for Digestive Malignancies: A Multicenter Randomized Controlled Trial

Naoki Tanaka, MD, Tamotsu Obitsu, MD, Atsushi Oyama, MD, Tatsuya Ueno, MD, Toshiki Rikiyama, MD, Michiaki Unno, MD, FACS, and Takeshi Naitoh, MD, FACS. *Tohoku University Graduate School of Medicine, Sendai, Japan, Jichi Medical University Saitama Medical Center, Saitama, Japan, Shiogama City Hospital, Shiogama, Japan, South Miyagi Medical Center, Shibata-gun, Japan*

Failure-to-Rescue in Emergency Surgery: Is Precedence a Problem?

Justin S. Hatchimonji, MD, MBE, Elinore J. Kaufman, MD, MSHP, Catherine E. Sharoky, MD, MSCE, and Daniel N. Holena, MD, MSCE, FACS. *Hospital of the University of Pennsylvania, Philadelphia, PA*

Surgical Ambulatory Emergency Care: A Safe and Effective Management Route for Acute Surgical Patients

Ahmed Saleh, MRCS, Ibrahim Eltilib, MRCS, Rehman Sayed, Mark Peter, FRCS, Brian M. Dobbins, FRCS, and Arin Saha, MD, FRCS. *Huddersfield Royal Infirmary, Huddersfield, United Kingdom*

Disease Burden of Appendectomy for Appendicitis: A Population-Based Cohort Study

Elisabeth M. L. de Wijkerslooth, MD, Anne Loes van den Boom, MD, and Bas P. L. Wijnhoven, MD, PhD. *Erasmus MC-University Medical Center, Rotterdam, Netherlands*

An Unencumbered Acute Care Surgeon Improves Delivery of Emergent Surgical Care

Alexis L. Cralley, MD, Clay C. Burlew, MD, FACS, Mitchell J. Cohen, MD, FACS, Ernest E. Moore, MD, FACS, and Ryan A. Lawless, MD, FACS. *Denver Health Medical Center, Denver, CO*

Is the American College of Surgeon National Surgical Quality Improvement Program (ACS NSQIP®) Risk Calculator Accurate in Predicting Adverse Postoperative Outcomes in the Emergency Setting? An Italian Single-Center Study

Giovanni Scotton, MD, Giulio Del Zotto, MD, Laura Bernardi, MD, Annalisa Zucca, MD, Susanna Terranova, MD, Stefano Fracon, MD, Lucia Paiano, MD, Davide Cosola, MD, Alan Biloslavo, MD, FACS, and Nicolò de Manzini, MD, FRCS. *Azienda Sanitaria Universitaria Integrata di Trieste, Cattinara Hospital, Trieste, Italy*

SF125 | 4:15-5:45 pm

Global Surgery and Humanitarian Outreach I

LOCATION: MN 21

TRACK(S): INT, HUM

MODERATORS:

Ziad C. Sifri, MD, FACS, *Jersey City, NJ*

Mamta Swaroop, MD, FACS, *Chicago, IL*

Accessing Pediatric Surgical Care in Kisumu County: A Pilot County for Universal Health Coverage in Kenya

Neema C. Kaseje, MD, MPH, Violet M. Gisore, Faith J. Magut, and Vincent O. Were, PhD. *Surgical Systems Research Group, Kisumu, Kenya*

Clinical Capacity Building for Prehospital Staff: Rotary-VCU-Rwanda Experience

Ashley Rosenberg, MD, Basil Asay, RN, NRP, NCEE, Jean Marie Uwitonze, MPH, MPM, Theophile Dushime, MD, MSc, and Sudha P. Jayaraman, MD, FACS. *Virginia Commonwealth University Health System, Richmond, VA, Service d'Aide Medicale Urgente, Kigali, Rwanda*

An Early Comparison of Trauma Patients at a District Hospital and Its Referral Hospital in Malawi

Jennifer A. Kincaid, MD, Gift Mulima, MBBS, Ivy Chilingulo, MBBS, Anthony G. Charles, MBBS, FACS, and Rebecca G. Maine, MD, MPH. *Thomas Jefferson University, Philadelphia, PA, Kamuzu Central Hospital, Lilongwe, Malawi, Salima District Hospital, Salima, Malawi, University of North Carolina, Chapel Hill, NC*

Multidisciplinary Development of a Low-Cost Gastroschisis Silo for Use in Sub-Saharan Africa

Arushi Biswas, Caroline Salzman, Patrick Wilson, Muthukurilsil Arivoli, Nolan Burroughs, Andrew LaCroix, PhD, Nasser Kakembo, MD, Robert Ssekitooleko, PhD, Ann Saterbak, PhD, and Tamara N. Fitzgerald, MD, PhD, FACS. *Duke University, Durham, NC, Makerere University, Kampala, Uganda*

Characteristics, Outcomes, and Risk Factors for Intestinal Volvulus in Sub-Saharan Africa

Laura N. Purcell, MD, Charles Mabedi, MBBS, Trista Reid, MD, Anthony G. Charles, MBBS, FACS, and Rebecca G. Maine, MD, MPH. *University of North Carolina, Chapel Hill, NC, Kamuzu Central Hospital, Lilongwe, Malawi*

Surgical Care in Eastern Uganda: Initial Results and Challenges of a Prospective Surgical Outcomes Registry in a Low-Income Country

Marissa A. Boeck, MD, MPH, Yeranui Ledesma, MD, Girish Motwani, MPH, Silas Okullu, RN, Mary Goretti Ariokot, Mary Margaret Ajiko, MMed, MBChB, Catherine J. Juillard, MD, MPH, FACS, and Rochelle A. Dicker, MD, FACS. *University of California, San Francisco, CA, Zuckerberg San Francisco General Hospital, San Francisco, CA, Soroti Regional Referral Hospital, Soroti, Uganda, University of California Los Angeles, Los Angeles, CA*

A Geospatial Analysis of Timely Surgical Access in Ecuador

Noah J. Hillerbrand, Nilan G. Vaghjiani, Rhea Singh, and Edgar B. Rodas, MD, FACS. *Virginia Commonwealth University School of Medicine, Richmond, VA*

Sex Disparities in the Access to Surgical Care in Malawi: A Community- and Hospital-Based Survey

Jennifer A. Kincaid, MD, Rebecca G. Maine, MD, MPH, Sherry M. Wren, MD, FACS, Mphatso Manjolo, Jotham Gondwe, Anthony G. Charles, MBBS, FACS, and Trista Reid, MD, MPH. *Thomas Jefferson University, Philadelphia, PA, University of North Carolina, Chapel Hill, NC, Stanford University, Stanford, CA, UNC Project-Malawi, Lilongwe, Malawi*

Establishment of a Novel Community-Based Protocol to Increase Postoperative Follow-Up in Rural Sierra Leone

Vennila Padmanaban, MD, Samba Jalloh, MB, ChB, Peter Johnston, MD, and Ziad C. Sifri, MD, FACS. *Rutgers-New Jersey Medical School, Newark, NJ, University of Sierra Leone, Freetown, Sierra Leone*

Arctic Surgical Capacity in the Wake of Climate Change

Clifton Ewbank, MD, Shailvi Gupta, MD, MPH, and Adam L. Kushner, MD, MPH, FACS. *University of California San Francisco Benioff Children's Hospital Oakland, Oakland, CA, R. Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, MD, Surgeons OverSeas (SOS), New York, NY, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD*

Evaluating Surgical Care by Mobile Surgical Units

Edgar B. Rodas, MD, FACS, Kyle J. Alexander, Laurie Terasaki, and Namita Patel. *Virginia Commonwealth University, Richmond, VA, Virginia Commonwealth University School of Medicine, Richmond, VA*

Cost-Effectiveness Analysis of Inguinal Hernia Repair with Mesh Performed by Medical Officers and Surgeons in Ghana

Shilpa Agarwal, MD, Michael Ohene-Yeboah, MB ChB, FWACS, Jenny Löfgren, MD, PhD, Daohai Yu, PhD, MS, Stephen Tabiri, MD, FACS, Joachim K. A. Amoako, MB ChB, FWACS, Zoe Maher, MD, FACS, Carrie A. Sims, MD, PhD, FACS, Hobart W. Harris, MD, FACS, and Jessica H. Beard, MD, MPH. *Temple University Hospital, Philadelphia, PA, University of Ghana, Accra, Ghana, Karolinska Institutet, Stockholm, Sweden, Temple University, Philadelphia, PA, School of Medicine and Health Sciences, University for Development Studies, Tamale, Ghana, University of Pennsylvania, Philadelphia, PA, University of California San Francisco, Fresno, CA*

The Surgical Clerkship: An Opportunity to Integrate Global Surgery to the Medical School Curriculum

Vennila Padmanaban, MD, Peter Johnston, MD, and Ziad C. Sifri, MD, FACS. *Rutgers-New Jersey Medical School, Newark, NJ*

SF126 | 4:15-5:45 pm

Surgical Education III

LOCATION: MN 22

TRACK(S): EDU

MODERATORS:

Brigitte Smith, MD, *Salt Lake City, UT*

Kathryn Ziegler, MD, FACS, *Beverly Hills, MI*

Addressing the Gap in Laparoscopic Common Bile Duct Exploration Training for Rural Surgeons: Imparting Procedural Ability Is Not Enough



Ryan A. J. Campagna, MD, Allison M. Belette, Amy L. Holmstrom, MD, Amy L. Halverson, MD, FACS, Byron F. Santos, MD, Eric S. Hungness, MD, FACS, and Ezra N. Teitelbaum, MD, MEd. *Northwestern University Feinberg School of Medicine, Chicago, IL, Dartmouth Geisel School of Medicine, Hanover, NH*

Narcotic Requirement after Completion of Surgery (NaRCS): Assessing the Opioid Crisis from a Patient, Physician, and Resident Perspective

Roshini J. Ramwani, DO and Jessica A. Wernberg, MD, FACS. *Marshfield Medical Center, Marshfield, WI*

A Decade in Surgical Education and Simulation Fellowship-A New Pathway for the Surgical Education Leader

Tiffany N. Anderson, MD, Edmund W. Lee, MD, James R. Korndorffer, Jr., MD, MHPE, FACS, Mary T. Hawn, MD, MPH, FACS, and James N. Lau, MD, MHPE, FACS. *Stanford University College of Medicine, Stanford, CA*

Reducing Postoperative Opioid Prescribing through Education: A Multicenter Survey of Surgical Residents

Jake G. Prigoff, MD, Adam C. Fields, MD, Ashley L. Titan, MD, Mary T. Hawn, MD, MPH, FACS, Amani Jambhekar, MD, Nelya Melnitchouk, MD, MSc, FACS, Ronald Bleday, MD, FACS, and Lisa Wiechmann, MD. *New York Presbyterian Hospital-Columbia University, New York, NY, Brigham and Women's Hospital, Boston, MA, Stanford University, Stanford, CA*

Are Current Credentialing Requirements for Robotic Surgery Adequate to Ensure Surgeon Competence?

Elizabeth Huffman, MD, Seth A. Rosen, MD, FASCRS, FACS, John R. Martin, MD, Jeffrey Levy, MD, and Dimitrios Stefanidis, MD, PhD, FACS, FASMB, FSSH. *Indiana University, Indianapolis, IN, Emory University School of Medicine, Johns Creek, GA, Indiana University School of Medicine, Indianapolis, IN, CaseNetwork, Philadelphia, PA*

Opioid-Prescribing Trends: A Comparison of Focused Resident Intervention and State of Michigan Mandates

Victoria E. Simmons, MD, Sejul Chaudhary, MD, Karen Hagglund, MS, and Elango Edhayan, MD, FACS. *St. John Hospital and Medical Center, Detroit, MI*

Do General Surgery Trainees Demonstrate Less Empathetic and Supportive Communication Than Family Medicine Trainees?

Emma K. Worthington, Matthew C. Bobel, MD, Carolina F. Branson, PhD, John M. LaVelle, PhD, Jeffrey G. Chipman, MD, FACS, and Melissa E. Brunsvold, MD, FACS. *University of Minnesota, Minneapolis, MN*

Successfully Teaching Surgical Residents How to Break Bad News

Michele Fiorentino, MD, Kurun Oberoi, MD, Sri Ram Pentakota, MPH, MD, PhD, Anastasia Kunac, MD, FACS, David H. Livingston, MD, FACS, and Anne C. Mosenthal, MD, FACS. *Rutgers-New Jersey Medical School, Newark, NJ*

The Use of the Operating Room Black Box for Structured Postoperative Team Debriefing: Lessons Learned from Discussions around Safety Threats and Resilience Support Events

Anne Sophie van Dalen, James J. Jung, MD, Teodor P. Grantcharov, MD, FACS, and Marlies P. Schijven, MD, PhD, MhSC. *University of Amsterdam, Amsterdam, Netherlands, Li Ka Shing Knowledge Institute of St. Michael's Hospital, University of Toronto, Toronto, ON, Canada*

Assessing Human Factors in the Operating Theatre: Differences in Perceptions within the Surgical Team

Anne Sophie van Dalen, Mitchell Goldenberg, MBBS, Teodor P. Grantcharov, MD, FACS, and Marlies P. Schijven, MD, PhD, MhSC. *University of Amsterdam, Amsterdam, Netherlands, Li Ka Shing Knowledge Institute of St. Michael's Hospital, University of Toronto, Toronto, ON, Canada*

SF127 | 4:15-5:45 pm

Surgical Oncology II

LOCATION: MS 306-308

TRACK(S): ONC

MODERATORS:

Charles R. Scoggins, MD, MBA, FACS, *Louisville, KY*

Anthony D. Yang, MD, FACS, *Chicago, IL*

Predictors of Anastomotic Failure Following Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy: Does Technique Matter?

Jason T. Wiseman, MD, MSPH, Sherif Abdel-Misih, MD, FACS, Eliza W. Beal, MD, Charles W. Kimbrough, MD, MPH, Timothy M. Pawlik, MD, PhD, MPH, FACS, and Jordan M. Cloyd, MD. *The Ohio State University, Columbus, OH*

Role of Adjuvant Radiation Therapy for Retroperitoneal Sarcomas: An 8-Institution Study from the U.S. Sarcoma Collaborative

Konstantinos Chouliaras, MD, Kenneth Cardona, MD, FACS, George A. Poultsides, MD, FACS, Valerie P. Grignol, MD, FACS, Callisia N. Clarke, MD, MS, FACS, Kevin Roggin, MD, FACS, Ryan C. Fields, MD, FACS, Sharon M. Weber, MD, FACS, Emily Johnson, MA, and Konstantinos Votanopoulos, MD, FACS. *Wake Forest Baptist, Winston-Salem, NC, Emory University, Atlanta, GA, Stanford University, Stanford, CA, Ohio State University, Columbus, OH, Medical College of Wisconsin, Milwaukee, WI, University of Chicago Medicine, Chicago, IL, Washington University in St. Louis, School of Medicine, St. Louis, MO, University of Wisconsin, Madison, WI*

Identifying the Minimum Volume Threshold for Retroperitoneal Soft-Tissue Sarcoma Resection: Merging National Data with Consensus Expert Opinion

Anthony M. Villano, MD, Alexander Zeymo, MS, Kitty S. Chan, PhD, Nawar Shara, PhD, and Waddah B. Al-Refai, MBBCh, FACS. *Medstar Georgetown University Hospital, Washington, DC, Medstar Health Research Institute, Hyattsville, MD, Georgetown-Howard Universities Center for Clinical and Translational Science, Washington, DC*

Impact of Treatment Sequencing on Survival for Patients with Advanced Gastric Cancer

Selena S. Li, John T. Mullen, MD, FACS, and Christina L. Costantino, MD. *Massachusetts General Hospital, Boston, MA*

Outcomes of Various Treatment Sequencing Strategies in Octogenarians with Gastric Adenocarcinoma: A National Cancer Database Analysis

Tommy Ivanics, MD, Shravan Leonard-Murali, MD, Xiaoxia Han, PhD, Christopher P. Steffes, MD, FACS, Rupen A. Shah, MD, and David S. Kwon, MD, FACS. *Henry Ford Hospital, Detroit, MI*

Perioperative Therapy in cT1bN0M0G1-3 Esophageal/Gastroesophageal Junction Adenocarcinoma Treated with Esophagectomy: A National Cancer Database Analysis

Shravan Leonard-Murali, MD, Tommy Ivanics, MD, Xiaoxia Han, PhD, Christopher P. Steffes, MD, FACS, David S. Kwon, MD, FACS, and Rupen A. Shah, MD. *Henry Ford Hospital, Detroit, MI*

Cost Effectiveness of Adjuvant Therapy for Stage IIIA Melanoma Is Poor Even When Patients Are Risk-Stratified by Gene Expression Profile

Yinin Hu, MD, Andrew Briggs, PhD, Michael Marchetti, MD, Daniel Coit, MD, FACS, and Edmund Bartlett, MD. *Memorial Sloan Kettering Cancer Center, New York, NY*

Association between Transjugular Intrahepatic Portosystemic Shunt and Occult Hepatocellular Carcinoma after Transplant

Lauren N. Krumeich, MD, Jenna Mancinelli, DO, Andrew Cucchiara, PhD, Kevin C. Eddinger, MD, David Aufhauser, Jr., MD, Matthew H. Levine, MD, PhD, FACS, and Peter L. Abt, MD, FACS. *University of Pennsylvania, Philadelphia, PA*

Tuesday, October 29

SF201 | 8:00-9:30 am

Bariatric/Foregut II

LOCATION: MS 153

TRACK(S): BTR, GEN

MODERATORS:

Luke M. Funk, MD, MPH, FACS, *Waukegan, WI*

Andrea M. Stroud, MD, *Portland, OR*

Use of Weight Loss Medication for Weight Regain after Bariatric Surgery

Keyvan Heshmati, MD, Hassan Aliakbarian, MD, Tammy Lo, MBBS, Eric G. Sheu, MD, FACS, and Ali Tavakkoli, MBBS, FACS. *Brigham and Women's Hospital, Boston, MA*

In the Eye of the Beholder: Intraoperative Perceptions of Hiatal Hernia and Surgeon-Specific Reflux Outcomes after Sleeve Gastrectomy

Karan R. Chhabra, MD, Jyothi Thumma, MPH, Justin B. Dimick, MD, FACS, and Oliver A. Varban, MD, FACS. *Brigham and Women's Hospital, Boston, MA, University of Michigan, Ann Arbor, MI*

Too Tight, Too Loose, or Just Right? Effect of Sleeve Gastrectomy Tightness Based on Intraoperative Video and Registry Data

Karan R. Chhabra, MD, Jyothi Thumma, MPH, Oliver A. Varban, MD, FACS, and Justin B. Dimick, MD, FACS. *Brigham and Women's Hospital, Boston, MA, University of Michigan, Ann Arbor, MI*

Racial Disparity in 30-Day Outcomes of Metabolic and Bariatric Surgery

Seyedeh Haleh Amirian, MD, Alfonso Torquati, MD, MSCI, FACS, and Philip Omotosho, MD, FACS. *Rush University Medical Center, Chicago, IL*

Post-Discharge Heparin Prophylaxis Use and Risk of Venous Thromboembolism and Bleeding Following Bariatric Surgery: A Population-Based Study

Erin B. Fennern, MD, MPH, Judy Y. Chen, MD, FACS, Saunabh Khandelwal, MD, FACS, Francys C. Verdial, MD, MPH, Thomas B. Cook, MPH, PhD, Erika M. Wolff, PhD, and Farhood Farjah, MD, MPH, FACS. *University of Washington, Seattle, WA*

Subjective and Objective Measures of Gastroesophageal Reflux Disease in Patients Undergoing Magnetic Sphincter Augmentation

Shanu N. Kothari, MD, FACS, Kara J. Kallies, MS, and Andrew J. Borgert, PhD. *Gundersen Health System, La Crosse, WI, Gundersen Medical Foundation, La Crosse, WI*

More Is Not Better: The Impact of Preoperative Weight Loss on Bariatric Surgical Outcomes

Michael Mazzei, MD, and Michael A. Edwards, MD, FACS. *Temple University Hospital, Philadelphia, PA, Mayo Clinic, Jacksonville, FL*

Characteristics and Management of Laparoscopic Sleeve Gastrectomy Leaks

Ryan Clark, MD, Christina Weed, MD, MPH, Jessica Koller Gorham, MD, Jeffrey A. Hunter, MD, FACS, Lily Chang, MD, FACS, and Connie Miller, RN. *Virginia Mason Medical Center, Seattle, WA, Oschner Medical Center, New Orleans, LA*

Actual Rate of Complications after Peroral Endoscopic Myotomy is Lower Than Predicted Risk of Complication after Laparoscopic Heller Myotomy as Calculated by the ACS Risk Calculator

Zachary M. Callahan, MD, Bailey Su, MD, Kristine Kuchta, MS, Pierce Paterakos, and Michael Ujiki, MD, FACS. *NorthShore University HealthSystem, Evanston, IL, University of Chicago Medical Center, Chicago, IL, Northshore University HealthSystem, Evanston, IL*

Magnetic Sphincter Augmentation with LINX Is an Effective Treatment for Atypical Symptoms of Gastroesophageal Reflux Disease

Ahmed Ebrahim, Steven G. Leeds, MD, FACS, and Marc A. Ward, MD. *Baylor University Medical Center, Dallas, TX*

Influence of Overlap Syndrome on Morbidity and Mortality after Bariatric Surgery

Amlish B. Gondal, MD, Eric M. Hines, Alfonso E. Ayala, Sachin Chaudhary, MD, and Iman Ghaderi, MD, MSc, MHPE, FACS, FASMBS. *Banner University Medical Center, University of Arizona, Tucson, AZ, University of Arizona College of Medicine, Tucson, AZ*

Delayed Gastric Emptying

Bailey Su, MD, Zachary M. Callahan, MD, Kristine M. Kuchta, MS, Pierce Paterakos, and Michael Ujiki, MD, FACS. *University of Chicago, Chicago, IL, NorthShore University Health System, Evanston, IL, Thomas Jefferson University, Philadelphia, PA*

SF202 | 8:00-9:30 am

Endocrine Surgery I

LOCATION: MN 22

TRACK(S): GEN

MODERATORS:

Jessica E. Gosnell, MD, FACS, *San Francisco, CA*

Barbra S. Miller, MD, FACS, *Ann Arbor, MI*

Overall Survival in Aggressive Variants of Papillary Thyroid Cancer

Amna Khokar, MD, Huan Yan, MD, Kristine Kuchta, MS, Shabirhusain Abadin, MD, FACS, David Winchester, MD, FACS, and Richard Prinz, MD, FACS. *NorthShore University Health System, Evanston, IL, John H. Stroger, Jr. Hospital of Cook County, Chicago, IL*



Low-Risk Thyroid Cancer in Older Adults: More Extensive Surgery Comes with Increased Cost of Surveillance

Alan Zambeli-Ljepovic, Frances Wang, MS, Michaela A. Dinan, PhD, Terry Hyslop, PhD, Michael T. Stang, MD, FACS, Sanziana A. Roman, MD, FACS, Julie Ann Sosa, MD, MA, FACS, and Randall P. Scheri, MD, MA, FACS. *Duke University, Durham, NC, Duke Cancer Institute and the Duke Clinical Research Institute, Durham, NC, University of California, San Francisco, San Francisco, CA*

Thyroid Lobectomy is Not Appropriate for T2-3 Papillary Thyroid Cancers with High-Risk Features

Paritosh Suman, MD, FACS, Leaque Ahmed, MD, FACS, Richard Prinz, MD, FACS, and David J. Winchester, MD, FACS. *NorthShore University HealthSystem, Evanston, IL, Wyckoff Heights Medical Center, Brooklyn, NY*

Randomized Control Trial for Pain Control after Thyroidectomy with Non-Opioid-Based Analgesia

Vardan Papoian, MD, MPH, Mohamed Hassanein, MD, PhD, Rafael A. Tolentino, MD, Lauren S. Nosanov, MD, Anthony M. Villano, MD, Kevin G. Handy, MD, and Erin A. Felger, MD, FACS. *Medstar Georgetown University Hospital-Washington Hospital Center, Washington, DC*

Overtreatment of Patients with Low-Risk Thyroid Cancer

Priya H. Dedhia, MD, PhD, Megan Saucke, MA, Alexandria D. McDow, MD, Kristin L. Long, MD, FACS, Gerard M. Doherty, MD, FACS, and Susan C. Pitt, MD, MPH, FACS. *University of Wisconsin Hospital and Clinics, Madison, WI, Brigham and Women's Hospital, Boston, MA*

Patients Understand Complications but Not Impact of Complications after Thyroidectomy

Priya H. Dedhia, MD, PhD, Sarah E. Robbins, MPH, Cameron L. MacDonald, PhD, Nadine P. Connor, PhD, and Rebecca S. Sippel, MD, FACS. *University of Wisconsin Hospital and Clinics, Madison, WI, Qualitative Health Research Consultants, Madison, WI, University of Wisconsin School of Medicine and Public Health, Madison, WI*

Nodal Disease Burden and Outcome of Medullary Thyroid Carcinoma

Lindsey E. Moses, MD, Jamie R. Oliver, Janine M. Rotsides, MD, Qianhui Shao, MPH, Kepal N. Patel, MD, FACS, Luc G. T. Morris, MD, FACS, and Babak Givi, MD, FACS. *New York University, New York, NY, Memorial Sloan Kettering Cancer Center, New York, NY*

Continued Preoperative Aspirin Use and Bleeding Complications in Patients Undergoing Thyroid Surgery: An Update

Spenser S. Souza, MS, Peter C. Ferrin, Hosam Shalaby, MD, MPH, Mohamed Abdelgawad, MD, Marcus Hoof, Lena A. Hummel, Thomas M. Yusin, Blake Raggio, MD, Venkat Ayinapudi, and Emad Kandil, MBBCh, FACS. *Tulane University School of Medicine, New Orleans, LA*

Undetectable Thyroglobulin Level May Eliminate the Need for Ultrasound Surveillance in Patients with Differentiated Thyroid Cancer Following Total Thyroidectomy

Ehab Alameer, MD, Hosam Shalaby, MD, MPH, Mohamed Abdelgawad, MD, and Emad Kandil, MBBCh, FACS. *Tulane Medical Center, New Orleans, LA, Tulane University School of Medicine, New Orleans, LA*

Resection of the Primary Tumor in Patients with Distant Thyroid Cancer Metastasis Is Associated with Longer Survival

Mahsa Sedaghati, MD, Dana T. Lin, MD, FACS, Robin M. Cisco, MD, FACS, and Electron Kebebew, MD, FACS. *Stanford Cancer Institute, Stanford, CA*

SF203 | 8:00-9:30 am

Hepatobiliary and Pancreas II

LOCATION: MN 20

TRACK(S): GEN

MODERATORS:

Ryan P. Merkow, MD, *Chicago, IL*

Amer Zureikat, MD, FACS, *Pittsburgh, PA*

Do Presence of Worrisome Features in the Pancreatic Cystic Lesions Justify Concern?

Turgut Bora Cengiz, MD, Andrew Tang, MD, Robert Simon, MD, Gareth Morris-Stiff, MBBCh, FACS, Toms Augustin, MBBS, FACS, Kevin M. El-Hayek, MD, FACS, and R. Matthew Walsh, MD, FACS. *Cleveland Clinic, Cleveland, OH*

Tumor-Associated Glycans Are Diagnostic Predictors of High-Grade Dysplasia and Malignancy in Intraductal Papillary Mucinous Neoplasms of the Pancreas

Kathryn A. Stackhouse, MD, Jonathan Glickman, MD, PhD, Yasuyuki Matsumoto, PhD, A. James Moser, MD, FACS, and Richard D. Cummings, PhD. *Beth Israel Deaconess Medical Center, Boston, MA*

Evaluation of the Long-Term Outcomes of Small Pancreatic Cancers (< 2cm)

Hassan Aziz, MD, Tun B. Jie, MD, FACS, Ioannis Konstantinidis, MD, and Felipe A. B. Maegawa, MD, MS, FACS. *University of Southern California, Los Angeles, CA, University of Arizona, Tucson, AZ, Texas Tech University Health Sciences Center, El Paso, TX, Southern Arizona VA Health Care System, Tucson, AZ*

Experience with a Dynamic, Data-Driven Drain Management Protocol in Pancreatoduodenectomy: Progressive Risk Stratification for Best Practice

Maxwell T. Trudeau, Matthew McMillan, Laura Maggino, MD, Bofeng Chen, Ronald DeMatteo, MD, FACS, Major K. Lee IV, MD, PhD, Robert Roses, MD, FACS, and Charles M. Vollmer, MD, FACS. *Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, University of Michigan Medical School, Ann Arbor, MI, University of Verona, Verona, Italy*

Combining Inflammatory Biomarkers and Laboratory Tests with Nanoparticle-Protein Corona Technology Makes Significant Advance in Early Pancreatic Cancer Detection

Damiano Caputo, MD, FACS, Chiara Cascone, MD, Lorenza Caggiati, MD, Daniela Pozzi, PhD, Luca Digiaco, PhD, Sara Palchetti, PhD, Roberto Coppola, MD, FACS, and Giulio Caracciolo, PhD. *Università Campus Bio-Medico di Roma, Rome, Italy, Sapienza University of Rome, Rome, Italy*

Outcome Variation Following Hepatopancreatic Surgery in Critical Access Hospitals

Anghela Z. Paredes, MD, MS, James M. Hyer, MS, Diamantis Tsilimigras, MD, Kota Sahara, MD, Katuscha Merath, MD, Rittal Mehta, MPH, Lu Wu, MD, Syeda A. Farooq, MBBS, Susan White, PhD, RHIA, CHDA, and Timothy M. Pawlik, MD, MPH, PhD, FACS. *The Ohio State University Wexner Medical Center, Columbus, OH*

Female Authorship in Hepatopancreatobiliary Surgery

Syeda A. Farooq, MBBS, Aeman Muneeb, MBBS, Khadija Farooq, Kota Sahara, MD, Diamantis Tsilimigras, MD, Katuscha Merath, MD, Rittal Mehta, MPH, Anghela Paredes, MD, Timothy M. Pawlik, MD, MPH, PhD, FACS, and Mary E. Dillhoff, MD, FACS. *The Ohio State University, Columbus, OH, Aga Khan University, Karachi, Pakistan, Liaquat National Hospital, Karachi, Pakistan*

To Pringle or Not to Pringle?

Alexander M. Fagenson, MD, Elizabeth M. Gleeson, MD, Fatima Nabi, MD, and Henry A. Pitt, MD, FACS. *Lewis Katz School of Medicine at Temple University, Philadelphia, PA, Drexel University College of Medicine, Philadelphia, PA, Temple University Health System, Philadelphia, PA*

Impact of Sedation in ERCP on Cannulation Success and Complications. A Prospective Nationwide Study of 31 001 ERCP Procedures

Lars Enochsson, MD, PhD. *Umeå University, Umeå, Sweden*

Abdominal Imaging Does Not Detect Higher Rates of Pancreatic Cysts or Cyst-Associated PDAC in BRCA Mutation Carriers

Jeremy Sharib, MD, Carrie Cao, Paige Bracci, PhD, Amie Blanco, MS, Dena Goldberg, MS, LCGC, Laura Esserman, MD, MBA, FACS, and Kimberly Kirkwood, MD, FACS. *University of California, San Francisco, San Francisco, CA*



SF204 | 8:00-9:30 am Pediatric Surgery II

LOCATION: MN 21

TRACK(S): PED

MODERATORS:

Justin H. Lee, MD, *Phoenix, AZ*

Shawn J. Rangel, MD, MSCE, FACS, FAAP, *Boston, MA*

Delta Shock Index Predicts Outcome in Pediatric Trauma Patients Regardless of Age

Muhammad Zeeshan, MD, Zaid Haddadin, MD, Andrew L. Tang, MD, FACS, Kamil Hanna, MD, Terence O'Keeffe, MD, FACS, Narong Kulvatunyou, MD, Mohammad K. Hamidi, MD, Ashley Northcutt, MD, El Rasheid Zakaria, MD, PhD, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Venous Thromboembolism Prediction Algorithm for Pediatric Trauma Outperforms Current National Guidelines: A National Trauma Data Bank (NTDB)

Propensity Score-Matched Analysis

Aaron J. Cunningham, MD, Beth Dewey, MS, Nicholas Hamilton, MD, FACS, Martin A. Schreiber, MD, FACS, Sanjay Krishnaswami, MD, FACS, and Mubeen Jafri, MD, FACS. *Oregon Health and Science University, Portland, OR*

Morbidity of Conversion from Veno-Venous to Veno-Arterial ECMO in Neonates with Meconium

Aspiration or Persistent Pulmonary Hypertension

Beatrix H. Choi, Bridget Toy, RN, Heda Dapul, MD, Sourabh Verma, MD, Erin Cicalese, MD, Arun Chopra, MD, and Jason C. Fisher, MD, FACS, FAAP. *New York University School of Medicine, New York, NY, New York University Langone Health, New York, NY*

Firearm-Related Injury: A Source of Preventable Morbidity and Mortality in the Pediatric Population

Amelia C. Lucisano, MD, Stephen J. Strotmeyer, PhD, and Barbara A. Gaines, MD, FACS. *University of Pittsburgh Medical Center Children's Hospital of Pittsburgh, Pittsburgh, PA*

The Effectiveness of Patient Education for Safe Opioid Storage and Disposal in Pediatric Surgery

Kenneth Sloss, Calista Harbaugh, MD, Gracia Vargas, Jennifer Waljee, MD, MPH, MS, FACS, Chad Brummett, MD, Michael J. Englesbe, MD, FACS, and Samir Gadepalli, MD, FACS. *Michigan Opioid Prescribing Engagement Network, Ann Arbor, MI*

Emerging Themes of Power and Leadership in Reducing Pediatric Postoperative Opioid Prescribing

Lily Upp, Calista Harbaugh, MD, Samir Gadepalli, MD, FACS, Chad Brummett, MD, Michael J. Englesbe, MD, FACS, Jennifer Waljee, MD, MPH, MS, FACS, and Mary E. Byrnes, PhD, MUP. *University of Michigan, Ann Arbor, MI*

Increasing Trends of Next-Day Appendectomies for Presentation of Acute Appendicitis after Routine Hours

Jonathan Vacek, MD, Yazan K. Rizeq, Benjamin T. Many, MD, Mehul V. Raval, MD, FACS, Fizan Abdullah, MD, FACS, and Seth Goldstein, MD. *Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL*

Market Evaluation of the Pediatric Surgical Workforce in U.S. Children's Hospitals

Liese C. C. Pruitt, MD, Zachary J. Kastenber, MD, David E. Skarda, MD, FACS, and Brian T. Bucher, MD, FACS. *University of Utah, Salt Lake City, UT*

SF205 | 8:00-9:30 am
Surgical Education IV

LOCATION: MN 23

TRACK(S): EDU

MODERATORS:

Nabil Issa, MBChB, FACS, MHPE, *Chicago, IL*Anne C. Larkin, MD, FACS, *Shewsbury, MA***Developing an Inpatient Relationship Centered Communication Curriculum (I-RCCC) for Surgical Teams-Pilot Study**

Aussama Nassar, MD, MSc, FRCSC, FACS, Barbetta Weimer-Elder, PhD, MS, RN, Merisa Kline, MHA, Crista Minthorn, RN, MSN, ANP-BC, Kristan L. Staudenmayer, MD, MS, FACS, Rachel Yang, MD, David A. Spain, MD, FACS, Paul Maggio, MD, MBA, FACS, James R. Korndorffer, Jr., MD, MHPE, FACS, and Tyler Johnson, MD. *Stanford University, Stanford, CA*

Each Encounter Tells a Story: Applying Document Vectors from Natural Language Processing to an Administrative Database to Create Scenarios for Surgical Training

Paul J. Chung, MD, William H. Nealon, MD, FACS, Michael J. Lee, MD, Gene F. Coppa, MD, FACS, Charles Choy, MD, FACS, Antonio E. Alfonso, MD, FACS, and Gainosuke Sugiyama, MD, FACS. *Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, NY*

Evaluating the Nontechnical Skills for Surgeons (NOTSS) Assessment Tool Adapted to the U.S. Surgical Context

Jason C. Pradarelli, MD, MS, Avni Gupta, MPH, Stuart Lipsitz, ScD, Douglas S. Smink, MD, MPH, FACS, and Steven Yule, PhD. *Brigham and Women's Hospital, Boston, MA, Ariadne Labs, Boston, MA*

Staying Safe in Tiger Country: How Surgical Attendings Highlight Error Prevention Strategies in the Operating Room

Emily S. Huang, MD, MEd, Nina W. Zhao, MD, Ingrid Woelfel, MD, and Clayton D. Rothwell, PhD. *The Ohio State University, Columbus, OH, University of California, San Francisco, San Francisco, CA*

The Documentation Burden on General Surgery Faculty

Morgan L. Cox, MD, MHS, Thomas Risoli, Jr., MS, Sarah Peskoe, PhD, David A. Turner, MD, and John Migaly, MD, FACS, FASCRS. *Duke University, Durham, NC*

Cumulative Effect of Flexible Duty-Hour Policies on Resident Outcomes: Long-Term Follow-Up Results from the FIRST Trial

Rhami Khorfan, MD, MS, Tarik Yuce, MD, Remi Love, Anthony Yang, MD, FACS, Jeanette W. Chung, PhD, David B. Hoyt, MD, FACS, Frank Lewis, MD, and Karl Y. Bilimoria, MD, FACS. *Northwestern University, Chicago, IL, American College of Surgeons, Chicago, IL, American Board of Surgery, Philadelphia, PA*

Development of a Surgical Evidence Blog at Morbidity and Mortality Conferences: Integrating Clinical Librarians to Enhance Resident Education

Brendan P. Lovasik, MD, Hannah Rutledge, PhD, MLIS, Shishir K. Maithel, MD, FACS, and Keith A. Delman, MD, FACS. *Emory University, Atlanta, GA*

Practice Longer and Stronger: Perioperative Strategies for Maximizing Physical Wellness in the Operating Room

Matthew S. Sussman, MD, Heidi Allespach, PhD, Carl I. Schulman, MD, PhD, FACS, Marlon L. Wong, PhD, PT, and Eli Atri. *University of Miami, Miller School of Medicine, Miami, FL, Florida International University Herbert Wertheim College of Medicine, Doral, FL*

Mentoring in Pediatric Surgery: A Need for Structure?

Cristine S. Velazco, MD, MS, Victor J. Davila, MD, Amir Alhajjat, MD, Daniel J. Ostlie, MD, FACS, and Erin M. Garvey, MD. *Mayo Clinic, Phoenix, AZ, Phoenix Children's Hospital, Phoenix, AZ*

The Maturation of a Surgical Education Fellowship over a Decade

Karan Grover, MD, Anne Onishi, MD, Brendan Scully, MD, Christine Hsieh, MD, Abbey Fingeret, MD, FACS, Beth Hochman, MD, FACS, Ana Berlin, MD, FACS, and Roman Nowygrod, MD, FACS. *Columbia University Medical Center, New York, NY, Keck School of Medicine of USC, Los Angeles, CA, University of Nebraska Medical Center, Omaha, NE*

SF206 | 8:00-9:30 am**Trauma/Burn/Critical Care II**

LOCATION: MS 159

TRACK(S): GEN, TRA

MODERATORS:

Saman Arbabi, MD, MPH, FACS, *Seattle, WA*Ramon L. Zapata Sirvent, MD, FACS, *Galveston, TX***Citrullinated Histone H3 is a Potential Diagnostic and Prognostic Biomarker in Septic Patients**

Yuzi Tian, MD, Rachel Russo, MD, Theodore Standiford, MD, Kathleen Stringer, PharmD, Baoling Liu, MD, Yongqing Li, MD, PhD, and Hasan B. Alam, MD, FACS. *University of Michigan, Ann Arbor, MI*

Effects of Beta-Blockade on the Expression of Regulatory microRNAs Following Severe Trauma and Chronic Stress

Camille G. Apple, MD, Elizabeth S. Miller, MD, Tyler J. Loftus, MD, Maria Cecilia Lopez, Kolenkode Kannan, PhD, Scott C. Brakenridge, MD, FACS, Henry V. Baker, PhD, Lyle Moldawer, PhD, Philip A. Efron, MD, FACS, and Alicia M. Mohr, MD, FACS. *University of Florida, Gainesville, FL*

Adenosine Triphosphate (ATP)-P2X4 Receptor Activation Shows Protective and Antibacterial Effects in Sepsis

Zoltan H. Nemeth, MD, PhD, Gyorgy Hasko, MD, PhD, Louis T. DiFazio, MD, FACS, Karen Kong, Jaroslaw W. Bilaniuk, MD, FACS, and Balazs Csoka, PhD. *Morristown Medical Center, Morristown, NJ, Columbia University Medical Center, New York, NY*

Inhibition of the Liver Insulin Responsive Transcription Factor Forkhead Box Protein O1 (FOXO1) Fails to Rescue Stress Hyperglycemia in Trauma and Hemorrhage

Anna E. Garcia Whitlock, MD, Matthew Gavin, Carrie A. Sims, MD, PhD, FACS, and Paul M. Titchenell, PhD. *Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA*

Metformin Rescues Age-Associated Decline in Mitochondrial and Immunologic Function in Murine and Human Lymphocytes

Anthony R. Cyr, MD, PhD, Lauryn K. Kohut, MA, Nicole E. Scharping, Dayana B. Rivadeneira, PhD, Ashley V. Menk, Lauran A. Chambers, Katherine M. Reitz, MD, Gregory M. Delgoffe, PhD, and Brian S. Zuckerbraun, MD, FACS. *University of Pittsburgh Medical Center, Pittsburgh, PA*

Treg Therapy Alters the Central and Peripheral Immune Response after Traumatic Brain Injury

Henry W. Caplan, MD, Karthik Prabhakara, MS, Akshita Kumar, MD, Naama E. Toledano Furman, PhD, Andrea Bordt, MS, MPH, Cecilia Martin, MS, Louis A. Carrillo, MD, MHS, Hasen Xue, MD, Scott D. Olson, PhD, and Charles S. Cox, MD, FACS. *McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX*

Early Intravenous Administration of Tranexamic Acid Ameliorates Neutrophil Extracellular Traps Induced Intestinal Barrier Injury in a Trauma and Hemorrhagic Shock Model

Chengnan Chu, MD, Weiwei Ding, MD, PhD, Shilong Sun, PhD, Tian Xie, MD, Kai Wang, PhD, Xinyu Wang, MD, and Zehua Duan, PhD. *Research Institute of General Surgery, Jinling Hospital, Medical School of Nanjing University, Nanjing, China*

Gut Dysbiosis Leads to Increased Microglial Activation and Inflammatory Response Acutely after Traumatic Brain Injury in Rats



Akshita Kumar, MD, Louis A. Carrillo, MD, MHS, Fanni B. Cardenas, Naama Toledano-Furman, PhD, and Charles S. Cox, Jr., MD, FACS. *University of Texas Health Science Center at Houston, Houston, TX*

SF210 | 8:00-9:30 am
Health Services Research III

LOCATION: MS 151

TRACK(S): HP

MODERATORS:

Daniel I. Chu, MD, FACS, *Vestavia, AL*

Cassandra M. Kelleher, MD, FACS, *Boston, MA*

Evaluating Cardiac Surgery Use across Vulnerable Persons after the Affordable Care Act's (ACA) Medicaid Expansion

Afshin Ehsan, MD, FACS, Alexander Zeymo, MS, James McDermott, Nawar Shara, PhD, Frank Sellke, MD, FACS, Neel Sodha, MD, and Waddah B. Al-Refaie, MBBCh, FACS. *Rhode Island Hospital, Providence, RI, MedStar Health Research Institute, Hyattsville, MD, Med Star Georgetown University Hospital, Washington, DC*

The Impact of IV Acetaminophen Pricing on Opioid Utilization and Outcomes for Children with Appendicitis
Elaa Mahdi, MD, MPH, Shadassa Ourshalimian, MPH, David Darcy, MD, Christopher Russell, MD, and Lorraine Kelley-Quon, MD, MSHS. *Children's Hospital Los Angeles, Los Angeles, CA*

Social Network Analysis of Authors in Scientific Journals

Alexander J. Ordoobadi, Numa Perez, MD, Maggie Westfal, MD, MPH, David C. Chang, MD, MPH, MBA, PhD, and Cassandra Kelleher, MD, FACS. *Harvard Medical School, Boston, MA, Massachusetts General Hospital, Boston, MA*

What Proportion of Surgeon Work Is Captured by ACS NSQIP®?

Christopher P. Childers, MD, PhD, Jill Q. Dworsky, MD, MS, Amber B. Tang, and Melinda A. Maggard Gibbons, MD, MSHS, FACS. *David Geffen School of Medicine at UCLA, Los Angeles, CA*

SURPAS Tool Improves Patient Satisfaction and Surgeon Efficiency during Informed Consent

Brett M. Wiesen, Michael R. Bronsert, PhD, MS, Davis M. Aasen, Abhinav B. Singh, MD, Anne Lambert-Kerzner, PhD, MSPH, William G. Henderson, PhD, MPH, Karl E. Hammermeister, MD, and Robert A. Meguid, MD, MPH, FACS. *University of Colorado School of Medicine, Aurora, CO*

Changes in Hospital Safety Culture Following Implementation of Comprehensive Learning Collaborative Strategies in Statewide Collaborative

Tarik Yuce, MD, Anthony Yang, MD, FACS, Julie Johnson, MSPH, PhD, David Odell, MD, FACS, Remi Love, MA, Ying Shan, MS, Lindsey Kreutzer, MPH, Kevin O'Leary, MD, MS, Amy L. Halverson, MD, FACS, and Karl Y. Bilimoria, MD, FACS. *Northwestern Memorial Hospital, Chicago, IL, Illinois Surgical Quality Improvement Collaborative, Chicago, IL*

Understanding Racial/Ethnic Disparities from the Perspective of Patients Undergoing Surgery for Inflammatory Bowel Disease (IBD)

Isabel C. dos Santos Marques, MD, Michael F. Gleason, MD, Kloe Freeman, Melanie S. Morris, MD, FACS, Gregory D. Kennedy, MD, PhD, FACS, and Daniel I. Chu, MD, FACS. *University of Alabama at Birmingham, Birmingham, AL*

Simplifying Hospital Quality Comparisons for Vascular Surgery Using Center-Level Frailty Burden Rather Than Comorbidities

Elizabeth L. George, MD, Kara Rothenberg, MD, Nicolas L. Barreto, Rui Chen, Amber W. Trickey, PhD, and Shipra Arya, MD, FACS. *Stanford Hospital & Clinics, Stanford, CA, University of California, San Francisco-East Bay, Oakland, CA, Stanford-Surgery Policy Improvement Research & Education Center (S-SPIRE), Stanford, CA*

Resiliency of Stop the Bleed®: How Effective Is Training?

Sarah Beth Dinwiddie, MPH(c), RN, Jennifer L. Bath, MSN, RN, AGCNS-BC, CEN, TRCN, Ellen M. Harvey, DNP, RN, ACNS-BC, CCRN, FCCM, Tanya Trevilian, MSN, RN, CCRN-K, CPN, Kristi McClure, ASMA, and Daniel Lollar, MD. *Carilion Clinic, Roanoke, VA*

An Assessment of Patient, Caregiver, and Clinician Perspectives on the Postdischarge Phase of Care

Phillip Dowzicky, MD, Arnav Shah, Frances Barg, PhD, Whitney Eriksen, PhD, RN, Matthew D. McHugh, PhD, JD, MPH, MSN, and Rachel Kelz, MD, MBA, MSCE, FACS. *University of Pennsylvania, Philadelphia, PA*

SF207 | 9:45-11:15 am**Colon and Rectal Surgery III**

LOCATION: MN 22

TRACK(S): CRS

MODERATORS:

Jai Bikhchandani, MD, *Cincinnati, OH*Kellie L. Mathis, MD, FACS, *Oronoco, MN***Abdominal Wall Thickness is a Predictor for Postoperative Infections in Colorectal Patients**

YuWei W. Chang, MD, MS, Kyle C. Murphy, Danielle Kay, MD, Shyanie J. Kumar, MD, Daniel Davenport, PhD, Sandra J. Beck, MD, FACS, and Avinash S. Bhakta, MD. *University of Kentucky, Lexington, KY*

Transanal Total Mesorectal Excision in Patients with Challenging Pelvis: A Comparative Study

Yoelimar Guzmán, MD, Francisco Borja de Lacy, MD, Romina Pena, MD, Ana M. Otero Piñero, MD, PhD, Raquel Bravo, MD, and Antonio M. Lacy, MD, PhD. *Hospital Clinic of Barcelona, Barcelona, Spain*

Primary Pouch Preservation vs. New Pouch Creation during Re-Do Surgery for Failed Ileal Pouches: Are the Outcomes Comparable?

Eren Esen, MD, H. Tarik Kirat, MD, FACS, Erman Aytac, MD, David M. Schwartzberg, MD, FACS, and Feza H. Remzi, MD, FACS. *New York University Langone Health, New York, NY, Acibadem Mehmet Ali Aydinlar University, Istanbul, Turkey*

Colorectal Cancer in Patients under 50 Years:**Demographics, Disease Characteristics, and Survival**

Tianming Liu, MD, Paul H. McClelland, MD, and Gokhan Ozuner, MD, FASCRS, FACS. *New York-Presbyterian Brooklyn Methodist Hospital, Brooklyn, NY*

The rs4662344 Allele Variant of the Rho GTPase Activating Protein 15 (ARHGAP15) Is Associated with Management of Diverticulitis

Bryan Kline, MD, David Brinton, Walter Koltun, MD, FACS, and Arthur Berg, PhD. *Penn State Health Milton S. Hershey Medical Center, Hershey, PA*

Anorectal Disease and Postdischarge Consumption of Opioids

Kortney Robinson, MD, Sarah G. Duncan, Evangelos Mesaris, MD, PhD, FACS, and Gabriel Brat, MD, FACS. *Beth Israel Deaconess Medical Center, Boston, MA*

Left-Sided Predominance in Early Onset Colorectal Cancers (CRC) Could Make Them More Accessible by Flexible Sigmoidoscopy: A National Cancer Database Analysis

Ada E. Graham, MD, Andrew D. Sparks, MS, and Bindu A. Umapathi, MD, FACS. *George Washington University, Washington, DC*

Factors Affecting Short-Term Survival in 85-and-Older Age Group Who Underwent Resection for Stage II and III Colon Cancer

Roma Kaur, MD, Christopher T. Aquina, MD, MPH, Larissa K. Temple, MD, FACS, and Fergal Fleming, MD. *University of Rochester Medical Center, Rochester, NY*

Does Adjuvant Chemotherapy Improve Survival in T3N0 Rectal Cancer? An Evaluation of Use and Outcomes from the National Cancer Database (NCDB)

Thais Reif de Paula, MD, Deborah S. Keller, MD, Prakash Gorroochurn, PhD, and Ravi P. Kiran, MD. *Columbia University Medical Center, New York, NY, Columbia University, Mailman School of Public Health, New York, NY*

Risk Factors for Positive Circumferential Resection Margin after Transanal Total Mesorectal Excision for Rectal Cancer

Francisco B. de Lacy, MD, Yoelimar Guzmán, MD, Romina Pena, MD, Jacqueline van Laarhoven, MD, PhD, Ana M. Otero Piñero, MD, PhD, Raquel Bravo, MD, and Antonio M. Lacy, MD, PhD. *Hospital Clinic of Barcelona, Barcelona, Spain, Jeroen Bosch Ziekenhuis, Hertogenbosch, Netherlands*

Colon Cancer among Young Patients: A More Aggressive Disease on the Rise

Emily Ryon, MD, MPH, Anthony Ferrantella, MD, Prateek Sharma, MD, Saba Kurtom, MD, Vrishketan Sethi, MBBS, Bhuwan Giri, MD, Neha Goel, MD, Alan Livingstone, MD, FACS, Nipun Merchant, MD, FACS, and Vikas Dudeja, MD. *University of Miami, Miller School of Medicine, Miami, FL*

Failure of and Recurrence Following Nonoperative Management of Acute Diverticulitis with Abscess and/or Extraluminal Air

Hanjoo Lee, MD, Mahir Gachabayov, MD, Agon Kajmolli, MD, and Roberto C. Bergamaschi, MD, PhD, FACS, FAS-CRS. *Westchester Medical Center, New York Medical College, Valhalla, NY*

SF208 | 9:45-11:15 am**General Surgery III**

LOCATION: MN 20

TRACK(S): GEN

MODERATORS:

Haytham M. A. Kaafarani, MD, MPH, FACS, *Boston, MA*Jennifer F. Waljee, MD, *Ann Arbor, MI***Predicting Postoperative Opioid Prescription Refills: A Machine Learning Approach**

Jaewon Hur, Vidhya Gunaseelan, MBA, MS, MHA, Joceline Vu, MD, Chad Brummett, MD, Jennifer F. Waljee, MD, FACS, and Jenna Wiens, PhD. *University of Michigan, Ann Arbor, MI*

Opioid Use Disorder is Associated with Increased In-Hospital Complications and Length of Stay Following Elective Major Upper Abdominal Surgeries

Yun Song, MD, Rebecca Tang, Robert Roses, MD, FACS, Ronald DeMatteo, MD, FACS, Rachel Kelz, MD, MBA, MSCE, FACS, and Giorgos Karakousis, MD, FACS. *Hospital of the University of Pennsylvania, Philadelphia, PA*

Postoperative Opioid Prescription and Usage Patterns: Impact of Public Awareness and State**Mandated-Prescription Policy Implementation**

Mayo H. Fujii, MD, MS, Ajai K. Malhotra, MD, FACS, Ethan Jones, MPH, Thomas P. Ahern, PhD, MPH, Loic J. Fabricant, MD, FACS, and Christos Colovos, MD, PhD. *University of Vermont Medical Center, Burlington, VT, University of Vermont Larner College of Medicine, Burlington, VT*

Do Surgeon Attitudes about Postoperative Opioid Prescribing Contribute to the Opioid Crisis?

Tamar B. Nobel, MD, Shruti Zaveri, MD, MPH, Prerna Khetan, MD, and Celia M. Divino, MD, FACS. *Mount Sinai Hospital, New York, NY*

Understanding Opioid-Prescribing Practices of Resident Physicians

Julia M. Coughlin, MD, Thomas Q. Xu, MD, Ethan M. Ritz, MS, Jonathan A. Myers, MD, FACS, and Javeria S. Qureshi, MD. *Rush University Medical Center, Chicago, IL, Rush University Medical Center, Chicago, IL*

Developing a Practical and Sustainable Opioid-Reduction Strategy Individualized to the Prescriber for Common General Surgery Operations

Shawn M. Purnell, MD, Feibi Zheng, MD, and Sylvia Martinez, MD, FACS. *Houston Methodist Hospital, Houston, TX*

System Factors in the OR: Measurement and Intervention with the OR Black

Robert C. Adams-McGavin, James J. Jung, MD, Marlies P. Schijven, MD, PhD, MHSc, and Teodor P. Grantcharov, MD, FACS. *Li Ka Shing Knowledge Institute of St. Michael's Hospital, University of Toronto, Toronto, ON, Canada, Amsterdam Gastroenterology and Metabolism, Amsterdam, Netherlands*

The Use of Correct Propensity Score Methodology in Contemporary High-Impact Surgical Literature

Elysia Grose, Samuel Wilson, Jeffrey Barkun, Kimberly Bertens, MD, MPH, FRCSC, Guillaume Martel, MD, MSc, FRCSC, FACS, Fady Balaa, MD, MSc, FRCSC, and Jad Abou Khalil, MD, MSc, FRCS. *University of Ottawa, Faculty of Medicine, Ottawa, ON, Canada, McGill University, Montreal, QC, Canada, Ottawa Hospital Research Institute, Ottawa, ON, Canada*

Farnesoid X Receptor Activation Interferes with Toll-Like Receptor 4 Pathway

Michael Philippe-Auguste, MD and Christopher P. Gayer, MD, PhD, FACS. *Children's Hospital Los Angeles, Los Angeles, CA*

SF209 | 9:45-11:15 am

Plastic and Maxillofacial Surgery I

LOCATION: MS 152

TRACK(S): PLA

MODERATORS:

Paige M. Fox, MD, *Stanford, CA*

Benjamin Levi, MD, FACS, *Ann Arbor, MI*

Fibroblast Proliferation in Wound Healing Is Clonal and Focal Adhesion Kinase-Dependent

Malini Chinta, Deshka Foster, MD, Alan T. Nguyen, Ankit Salhotra, Ryan C. Ransom, R. Ellen Jones, MD, Ashley L. Titan, MD, Clement Marshall, MD, Shamik Mascharak, and Michael T. Longaker, MD, MBA, FACS. *Stanford University, Stanford, CA*

The Role of the Skeletal Stem Cell in Achilles

Tendon-to-Bone Interface Healing

Ashley L. Titan, MD, Ruth Ellen Jones, MD, Ankit Salhotra, Kiana S. Robertson, Deshka Foster, MD, Sid Menon, Matthew Murphy, MD, Genesis V. Lucero, Charles K. Chan, PhD, and Michael T. Longaker, MD, MBA, FACS. *Stanford School of Medicine, Stanford, CA, Hagey Laboratory for Pediatric Regenerative Medicine, Stanford, CA*

Digit Tip Regeneration Relies on Germ Layer Restricted Wnt and Hedgehog Signaling

Zeshaan N. Maan, MD, MSc, MRCS, Michael Januszyk, MD, PhD, Yuval Rinkevich, PhD, Irving Weissman, MD, and Geoffrey C. Gurtner, MD, FACS. *Stanford University School of Medicine, Stanford, CA*

Regenerative Skin Healing through Targeted Modulation of Engrailed1-Negative Fibroblasts

Shamik Mascharak, Heather E. desJardins-Park, Alessandra L. Moore, MD, Mimi R. Borrelli, MBBS, Malini Chinta, Deshka Foster, MD, H. Peter Lorenz, MD, and Michael T. Longaker, MD, MBA, FACS. *Stanford University School of Medicine, Stanford, CA, Stanford University Medical Center, Stanford, CA, Brigham and Women's Hospital, Boston, MA, Boston University School of Medicine, Boston, MA*

Intrinsic Chromatin State and Extrinsic Wound-Related Cues May Coordinate to Activate Fibroblasts for Scarring

Heather E. desJardins-Park, Alessandra L. Moore, MD, Ulrike Litzenburger, PhD, Shamik Mascharak, Malini Chinta, Ryan C. Ransom, Michael S. Hu, MD, Hermann P. Lorenz, MD, FACS, Howard Y. Chang, MD, PhD, and Michael T. Longaker, MD, MBA, FACS. *Stanford University School of Medicine, Stanford, CA*

The Effect of Mechanical Loading on Clonality of Injured Flexor Tendons after Repair

Ashley L. Titan, MD, Deshka Foster, MD, Ruth Ellen Jones, MD, Ankit Salhotra, Alan T. Nguyen, and Michael T. Longaker, MD, MBA, FACS. *Stanford University School of Medicine, Stanford, CA*

Ischemic Preconditioning of Surgical Dermal Pedicle Flaps with DNA Plasmid Expressing Hypoxia-Inducible Factor-1 α (HIF-1 α)

Kai-Hua Chang, MD, Pouria Shoureshi, MD, Frank Lay, John Abraham, PhD, Louis J. Born, Zahra Alikhassy Habibabady, MD, Raul Sebastian, MD, and John W. Harmon, MD, FACS. *Johns Hopkins University, Baltimore, MD, University of Maryland, College Park, MD, Massachusetts General Hospital and Harvard Medical School, Boston, MA, George Washington University, Washington, DC*

Preliminary Update on the Creation of Animal Models for Arteriovenous Malformation

Patrick J. Smits, PhD, Jeremy A. Goss, MD, and Arin K. Greene, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA*

Tribocharged Silicone Dressing for Scar Modulation

Ian L. McCulloch, Justin Chambers, PhD, and W. Thomas McClellan, MD, FACS. *West Virginia University, Morgantown, WV*

Artificial Intelligence in Plastic and Reconstructive Surgery: A Systematic Review

Joseph M. Firriolo, MD, Laura C. Nuzzi, and Brian I. Labow, MD, FACS. *University of California, Davis Medical Center, Sacramento, CA, Boston Children's Hospital, Harvard Medical School, Boston, MA*

Understand the Neuro-Enhancing Effects of Electrical Stimulation in a Mouse Model

Alexandra E. Halevi, MD, Lauren Schellhardt, Alison Snyder-Warwick, MD, FACS, Amy M. Moore, MD, Susan E. Mackinnon, MD, FACS, and Matthew D. Wood, MD. *Washington University in St. Louis, School of Medicine, St. Louis, MO*

Up-Regulation of Angiopoietic Signaling and Markers of Cardiopathy after AV Loop Placement in Patients with Microsurgical Lower Extremity Reconstructions

Dominic Henn, MD, Masood Abu-Halima, PhD, Mustafa Kahraman, MS, Florian Falkner, MD, Andreas Keller, PhD, Ulrich Kneser, MD, Eckart Meese, PhD, and Volker J. Schmidt, MD. *Stanford University, Stanford, CA, University of Heidelberg, BG Trauma Center Ludwigshafen, Ludwigshafen, Germany, Saarland University, Homburg, Germany, Saarland University, Saarbruecken, Germany*

SP210 | 9:45-11:15 am

e-Posters III

LOCATION: MS 201-203

TRACK(S): BTR, CRS, GEN, PED, TRA, VAS

e-Posters are listed in the Scientific Forum e-Poster section on page 170.

SF211 | 9:45-11:15 am

Surgical Oncology III

LOCATION: MN 23

TRACK(S): ONC

MODERATORS:

Sherif R. Z. Abdel-Misih, MD, FACS, *Stony Brook, NY*
Carl R. Schmidt, MD, FACS, *Morgantown, WV*

Casting a Wide Net: A Retrospective Review of Patients with Pancreatic Cancer at the Largest Safety-Net Hospital in the Country

Emily Ryon, MD, MPH, Kristin N. Kelly, MD, MPH, Matthew S. Sussman, MD, Christina I. Lee, Scott Alford, Olga Chamberlain, Vikas Dudeja, MD, Alan Livingstone, MD, FACS, Nipun Merchant, MD, FACS, and Neha Goel, MD. *Leonard M. Miller School of Medicine at the University of Miami, Miami, FL*

Accuracy of Ki-67 Index Obtained from FNA Specimens in the Diagnosis and Grading of Pancreatic Neuroendocrine Tumors

Austin Livingston, Erin Strong, MD, MBA, MPH, Kathleen Christians, MD, FACS, Kulwinder S. Dua, MD, Catherine Hagen, MD, Douglas B. Evans, MD, FACS, and Callisia N. Clarke, MD, MS, FACS. *Medical College of Wisconsin, Milwaukee, WI*

Preoperative Diabetes Influences Recurrence and Subsequent Survival in Pancreatic Ductal Adenocarcinoma

Daniel Maxwell, DO, Mohammad Raheel Jajja, MD, and Juan Sarmiento, MD, FACS. *Emory University Hospital, Atlanta, GA*

De-Implementation of Low-Value Breast Cancer Care—Early Results of the Choosing Wisely Campaign in Breast Surgical Oncology

Sarah P. Shubeck, MD, MS, Margaret E. Smith, MD, Ton Wang, MD, Tasha Hughes, MD, and Lesly A. Dossett, MD, FACS. *University of Michigan, Ann Arbor, MI*

Time Interval for Development of Breast Cancer after Normal MRI of the Breasts—Reducing Surveillance Mammograms

Jessica Burns, MD, Meghan Brown, MD, Terrence Lewis, MD, Haitham Elsamaloty, MD, and Prabir Chaudhuri, MD, FACS. *University of Toledo, Toledo, OH*

Genomically Stable Subtype and CDH1 Mutations Are Associated with Scirrhous Gastric Cancer

Masayuki Nagahashi, MD, PhD, Hiroshi Ichikawa, MD, PhD, Yoshifumi Shimada, MD, PhD, Kohei Miura, MD, PhD, Takaaki Hanyu, MD, PhD, Takashi Ishikawa, MD, PhD, Jun Sakata, MD, PhD, Takashi Kobayashi, MD, PhD, Hitoshi Kameyama, MD, PhD, and Toshifumi Wakai, MD, PhD, FACS. *Niigata University Graduate School of Medical and Dental Sciences, Niigata City, Japan*

Minimally Invasive Esophagectomy Is Associated with Superior Lymphadenectomy and Surgical Margins: Propensity-Matched Analysis of the National Cancer Database

Katelynn Bachman, MD, Philip A. Linden, MD, FACS, Yaron Perry, MD, FACS, Stephanie Worrell, MD, and Christopher Towe, MD. *University Hospitals Cleveland Medical Center, Cleveland, OH*

SF212 | 9:45-11:15 am

Trauma/Burn/Critical Care III

LOCATION: MN 21

TRACK(S): TRA

MODERATORS:

Scott C. Brakenridge, MD, FACS, *Gainesville, FL*
Toan T. Huynh, MD, FACS, *Charlotte, NC*

Obesity Associated with Increased Postoperative Pulmonary Complications and Mortality after Trauma Laparotomy

Jose Covarrubias, Areg Grigorian, MD, Sebastian D. Schubl, MD, FACS, Sahil M. Gambhir, MD, Matthew O. Dolich, MD, FACS, Michael E. Lekawa, MD, FACS, Ninh T. Nguyen, MD, and Jeffry T. Nahmias, MD, MHPE, FACS. *University of California, Irvine Medical Center, Orange, CA*

Metabolic Syndrome: A Major Risk Factor for Morbidity and Mortality in Severely Injured Trauma Patients

Brett Tracy, MD, David Swift, MD, Bernadette Frias, RN, Christopher Staley, Jacob Wilson, MD, Mara Schenker, MD, and Rondi B. Gelbard, MD, FACS. *Emory University School of Medicine, Atlanta, GA*

The Optimal Interpretation of Near-Infrared Spectroscopy (NIRS) Data to Assess Brain Injury in Extracorporeal Membrane Oxygenation (ECMO) Patients

Megan F. Hunt, Chun W. Choi, MD, and Sung-Min Cho, MD. *The Johns Hopkins Hospital, Baltimore, MD*

Right Patient, Right Place, Right Time: Field Triage and Transfer to Level I Trauma Centers

Benjamin L. Gough, DO, Matthew Painter, MD, Autumn L. Hoffman, HSDG, Richard J. Caplan, PhD, and Mark D. Cipolle, MD, PhD, FACS, FCCM. *Christiana Care Health System, Newark, DE, Wake Forest Baptist Medical Center, Winston-Salem, NC*

Low-Volume Resuscitation with Polyethylene Glycol-20k Confers Survival after Severe Hemorrhagic Shock

Niluka A. Wickramaratne, MD, Jad Khoraki, MD, Ananya Seth, Kayla S. Hopkins, Caitlin Archambault, LVT, Charles Blocher, Ru Li, MD, PhD, and Martin J. Mangino, PhD. *Virginia Commonwealth University, Richmond, VA*

Mortality Rates from Acute Respiratory Distress Syndrome (ARDS) at Extra-Corporeal Membrane Oxygenation (ECMO) and Non-ECMO Centers in the U.S.

Rebecca G. Maine, MD, MPH, Brian Orleans, MS, Lauren Raff, MD, Trista Reid, MD, Paula D. Strassle, MSPH, and Anthony G. Charles, MD, MBBS, FACS. *University of North Carolina, Chapel Hill, NC*

The Effect of Child Access Prevention (CAP) Legislative Language on Pediatric Firearm Injury Rates

Bradford L. W. James, Bertha A. Ben Khallouq, MA, and Hubert S. Swana, MD. *University of Central Florida College of Medicine, Orlando, FL, Orlando Health, Orlando, FL*

SF213 | 9:45-11:15 am

Urological Surgery I

LOCATION: MS 159

TRACK(S): URO

MODERATORS:

Tracy M. Downs, MD, FACS, *Madison, WI*
Sarah P. Psutka, MD, *Seattle, WA*

Preoperative Urine Culture Does Not Reliably Correlate with Intraoperative Stone Culture in Patients Undergoing Endoscopic or Percutaneous Management for Urolithiasis

John Barlog, John Sullivan, MD, William N. Harris, Jyoti Chouhan, DO, Andrew Winer, MD, and John Shields, MD. *State University of New York Downstate Medical Center, Brooklyn, NY, State University of New York Downstate College of Medicine, Brooklyn, NY*

The Patient Experience and Clinical Outcomes in Urologic Cancers: A SEER-CAHPS Study

Charan S. Mohan, Jason S. Rotter, MHS, Matthew E. Nielsen, MD, MS, FACS, Raj S. Pruthi, MD, MHA, FACS, Eric M. Wallen, MD, FACS, Hung-Jui Tan, MD, MSHPM, and Angela B. Smith, MD, MS, FACS. *University of North Carolina School of Medicine, Chapel Hill, NC, University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC*

The Opioid Epidemic and Urology: The Effects of Preoperative Opioid Usage on Postoperative Clinical Outcomes in Radical Cystectomy (RC) Patients

Blair Townsend, MD, MBA, William M. Worrilow, Myra Robinson, MSPH, Blair Townsend, MSN, RN, Kris E. Gaston, MD, FACS, Peter Clark, MD, and Stephen Riggs, MD, FACS. *Carolinas Medical Center, Charlotte, NC, Levine Cancer Institute, Atrium Health, Charlotte, NC*

Is the Relative Value of Operative Time Equal across Surgical Specialties?

Solomon Hayon, MD, Allison Deal, MS, Hung-Jui Tan, MD, Brooke Namboodri, Case Wood, MD, and Raj Pruthi, MD, MHA, FACS. *University of North Carolina, Chapel Hill, NC*

Pain Reduction and Mood Improvement Using Supplementary Music Therapy Intervention during Flexible Cystoscopy under Local Anaesthesia: A Prospective, Single-Blinded, Randomized Controlled Study

Ilias Aizat Sabri, MD, MMed and Wan Zain Wan Zainira, MD, MMed(General Surgery). *Malaysia Ministry of Health, Sungai Petani, Kedah, Malaysia, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia*

Achieving a Threshold Compliance Percentage through Strict Adherence to a Dedicated Enhanced Recovery after Surgery (ERAS) Protocol Predicts Key Clinically Significant Outcomes Following Radical Cystectomy and Urinary Diversion (RCUD) for Bladder Cancer

William M. Worrilow, Blair Townsend, MD, MBA, Blair Parker, MSN, RN, CNL, Myra Robinson, MSPH, Elizabeth Ross, MSN, RN, Kris E. Gaston, MD, FACS, Peter Clark, MD, and Stephen Riggs, MD, FACS. *Levine Cancer Institute, Atrium Health, Charlotte, NC, Carolinas Medical Center, Atrium Health, Charlotte, NC*

Variation in Estimated GFR Values Prior to Nephrectomy Based on Cystatin C, CKD-EPI, Cockcroft-Gault, and MDRD Formulas

Gordon Hong, Mark Henry, MD, Farha Pirani, Dattatraya Patil, MBBS, MPH, Kenneth Ogan, MD, Michael Connor, Jr., MD, Mehmet A. Bilen, MD, R. Donald Harvey III, PharmD, BCOP, FCCP, FHOPA, Janetta Bryksin, PhD, DABCC, and Viraj Master, MD, FACS. *Emory University School of Medicine, Atlanta, GA, Emory University School of Medicine, Decatur, GA*

Perioperative Outcomes and Discharge Destinations of Octogenarians Undergoing Radical Cystectomy: An Analysis of the ACS NSQIP® Database

Hayden M. Hill, MD, Kathleen Lata Arias, MPH, and Daniel J. Canter, MD, FACS. *Ochsner Clinic, Jefferson, LA*

Does Sarcopenia Predict Poor Outcomes Following Radical Cystectomy? A Contemporary Analysis and Evaluation of Commonly Used Criteria

Nicholas B. Drury, William Worrilow, Hamza Beano, MD, Myra Robinson, MSPH, Jeffrey Ignatoff, MD, FACS, Peter Britt, MD, Jessica Wilder, MD, Caitlin Hensel, Dana Sylvestre, and Stephen Riggs, MD, FACS. *Mercer University School of Medicine, Macon, GA, Levine Cancer Institute, Atrium Health, Charlotte, NC, Carolinas Medical Center, Atrium Health, Charlotte, NC, Memorial Health University Medical Center, Savannah, GA*

The Harms of Hematuria Workup: Modeling the Risk-Benefit of Using Split-Bolus CT Urography to Reduce Radiation Exposure in a Theoretical Cohort

Jeremiah R. Dallmer, Jennifer Robles, MD, and Daniel Barocas, MD, MPH, FACS. *Vanderbilt University School of Medicine, Nashville, TN, Vanderbilt University Medical Center, Nashville, TN*

SF214 | 12:45-2:15 pm

Bariatric/Foregut III

LOCATION: MN 23

TRACK(S): BTR, GEN

MODERATORS:

Shaina R. Eckhouse, MD, FACS, *St. Louis, MO*
Ali Tavakkoli, MBBS, FACS, *Boston, MA*

The Goldilocks Principle: Video Assessment of a Sleeve Gastrectomy That is 'Just Right'

Oliver A. Varban, MD, FACS, Jyothi R. Thumma, MPH, Dana A. Telem, MD, MHS, Nabeel R. Obeid, MD, Jonathan F. Finks, MD, FACS, Amir A. Ghaferi, MD, FACS, and Justin B. Dimick, MD, FACS. *Center for Healthcare Outcomes and Policy, University of Michigan, Ann Arbor, MI*

Factors Mediating Durability of Type 2 Diabetes Remission and Relapse after Gastric Bypass Surgery

Bernardo M. Pessoa, MD, Matthew G. Browning, PhD, Jad Khoraki, MD, Guilherme Mazzini, MD, PhD, Luke Wolfe, MS, and Guilherme M. Campos, MD, PhD, FACS, FASMB. *Virginia Commonwealth University, Richmond, VA*

Clinical Outcome and Predictors of a Favorable Result after Laparoscopic Magnetic Sphincter Augmentation: Single-Institution Experience with over 500 Patients with Reflux Disease

Shahin Ayazi, MD, Ping Zheng, MD, MS, Ali H. Zaidi, MD, Nobel Chowdhury, MD, MS, Kristy Chovanec, Madison S. Salvitti, MS, Kirsten Newhams, MD, Ashten N. Omstead, Toshitaka Hoppo, MD, PhD, and Blair A. Jobe, MD, FACS. *Esophageal and Lung Institute, Allegheny Health Network, Pittsburgh, PA*

Weight-Independent Benefits of Sleeve Gastrectomy on Patient Comorbidities

Phillip Yang, MSE, Aaron J. Bonham, MSc, Amir A. Ghaferi, MD, FACS, and Oliver A. Varban, MD, FACS. *University of Michigan Medical School, Ann Arbor, MI, Michigan Medicine, University of Michigan, Ann Arbor, MI*

Endoscopic Per-Oral Pyloromyotomy (POP) Improves Glycemic Control in Gastroparesis Patients with Poorly Controlled Diabetes Mellitus

Joshua P. Landreneau, MD, MSc, Andrew T. Strong, MD, Kevin El-Hayek, MD, FACS, Matthew T. Allemang, MD, FACS, Matthew D. Kroh, MD, FACS, and John H. Rodriguez, MD, FACS. *Cleveland Clinic, Cleveland, OH, Cleveland Clinic Abu Dhabi, Abu Dhabi, United Arab Emirates*

Comparison of Objective Intermediate-Term Outcomes between Per-Oral Endoscopic Myotomy and Laparoscopic Heller Myotomy Show Equivalence

Jessica Clothier, Steven G. Leeds, MD, FACS, Ahmed Ebrahim, and Marc A. Ward, MD. *Baylor University Medical Center, Dallas, TX*

Ergonomic Sensor Model Shows Correlation with Musculoskeletal Symptoms in Minimally Invasive Surgery (MIS)

Sara Monfared, MD, Hamed Asadi, Denny Yu, PhD, and Dimitrios Stefanidis, MD, FACS. *Indiana University School of Medicine, Indianapolis, IN, Purdue University, Lafayette, IN*

Outcomes of Laparoscopic Roux-en-Y and Sleeve Gastrectomy Bariatric Surgery on Quality of Life Using Bariatric Analysis and Reporting Outcome System (BAROS): A Meta-Analysis

Francis Miguel R. Tan, MD, Kathleen S. Chua, MD, and Maila Rose L. Torillo, MD, FACS. *Chinese General Hospital and Medical Center, Manila, Philippines*

Evaluating the Impact of 3D (Dimensional) Laparoscopic Imaging on the Surgical Team Using Subjective Multidimensional Assessment Tools

Mauricio Gabrielli, MD, MSc, James J. Jung, MD, Tomas Saun, MD, and Teodor P. Grantcharov, MD, PhD, FACS. *University of Toronto, Toronto, ON, Canada*

Influence of Preoperative Psychotropic Medications on Opioid Requirements and Outcomes Following Bariatric Surgery

Rowan R. Sheldon, MD, Douglas R. Morte, MD, Ian F. Jones, MD, Vance Y. Sohn, MD, FACS, and Jason R. Bingham, MD. *Madigan Army Medical Center, Tacoma, WA*

Using the Novel BODY-Q Bariatric Module Patient-Reported Outcomes Measures (PROMs) Tool to Compare Sleeve Gastrectomies against Roux-en-Y Gastric Bypasses
Danny Mou, MD, Claire de Vries, MD, Tomas Tesfasilassie, Lisa van den Berg, MD, Dennis Makarawung, MD, Ronald S. Liem, MD, Ali Tavakkoli, MD, FACS, and Andrea Pusic, MD, MHS, FACS, FRCSC. *Brigham and Women's Hospital, Boston, MA, OLVG West, Amsterdam, Netherlands, University of California, San Francisco School of Medicine, San Francisco, CA, Catharina Ziekenhuis, Eindhoven, Netherlands, St. Antonius Ziekenhuis, Nieuwegein, Netherlands, Groene Hart Hospital, Gouda, Netherlands*

Factors Predicting Good Outcome in Palliative Endoscopic Metallic Stenting for Malignant Gastric Outlet Obstruction

Siu Yin Chan, MBBS, FACS, Simon Y. Law, MD, FACS, and Ian Y. Wong, MBBS, FACS. *The University of Hong Kong, Hong Kong, China*

SF215 | 12:45-2:15 pm

Health Services Research IV

LOCATION: MS 152

TRACK(S): HP

MODERATORS:

Benjamin S. Brooke, MD, PhD, FACS, *Salt Lake City, UT*Nelya Melnitchouk, MD, FACS, *Newton, MA***Quantifying the Contributions of Medical Scribes in an Outpatient Academic Surgical Oncology Setting**Sirivan S. Seng, MD, Jenny H. Chang, Kirolos Malek, MD, Maheswari Senthil, MD, FACS, and Sharon S. Lum, MD, FACS. *Loma Linda University, Loma Linda, CA***Can the Centers for Medicare and Medicaid (CMS) Star Ratings Be Used as a Realistic Approach to Reduce Mortality in Complex Cancer Surgery?**Marianna V. Papageorge, MD, Jessica R. Hoag, PhD, Benjamin J. Resio, MD, Andres F. Monsalve, MD, Ranjan Pathak, MBBS, Vincent J. Mase, MD, FACS, Andrew P. Dhanasopon, MD, Justin D. Blasberg, MD, FACS, and Daniel J. Boffa, MD, FACS. *Yale School of Medicine, New Haven, CT***Implementation of a Continuous Quality Improvement Project to Reduce Postoperative Opioid Prescribing across Surgical Specialties**Liese C. C. Pruitt, MD, Douglas S. Swords, MD, MS, Brian T. Bucher, MD, FACS, and David E. Skarda, MD, FACS. *University of Utah, Salt Lake City, UT***Did Medicaid Expansion Improve the Surgical Financial Health of California's Safety-Net Hospitals?**Christopher P. Childers, MD, PhD, Melinda A. Maggard Gibbons, MD, MSHS, FACS, Sharon M. Weber, MD, FACS, Sean Renneklied-Kelly, MD, and Daniel E. Abbott, MD, FACS. *David Geffen School of Medicine at UCLA, Los Angeles, CA, University of Wisconsin School of Medicine and Public Health, Madison, WI***Volume-Cost Relationship in Surgery: Nationwide Analysis of 84.6 Million Inpatient Admissions**James S. Yoon, Oliver Y. Tang, and Michael T. Lawton, MD. *Yale School of Medicine, New Haven, CT, Barrow Neurological Institute, Phoenix, AZ, Warren Alpert Medical School of Brown University, Providence, RI***Long-Term Outcomes Following Nonoperative Management of Perforated Appendicitis: A Retrospective Cohort Analysis**Lindsay A. Sceats, MD, Cindy J. Kin, MD, MS, FACS, FAS-CRS, and David A. Spain, MD, FACS. *Stanford University, Stanford, CA***The Costs of Reconstruction: A Qualitative Study of Women after Breast Cancer**Whitney O. Lane, MD, Christel Rushing, MS, Lily R. Mundy, MD, Ronnie Shammass, MD, Scott T. Hollenbeck, MD, FACS, Laura J. Fish, PhD, and Rachel A. Greenup, MD, FACS. *Duke University, Durham, NC***Race Does Not Predict Discharges against Medical Advice in Surgical Patients**Trevor C. Hunt, Lauren E. Geisel, William Irish, PhD, and Janet E. (Betsy) Tuttle-Newhall, MD, FACS. *The Brody School of Medicine, Greenville, NC***Improving Operating Room Turnover in Robotic Surgery: A Human Factors Approach**Tara Cohen, PhD, Sarah Francis, MA, Maureen Fimpler, RN, Yosef Y. Nasser, MD, FACS, Jennifer Anger, MD, Kate Cohen, Kevin Shamash, Bruce L. Gewertz, MD, FACS, Raymund Avenido, MSN, RN, and Daniel Shouhed, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA***Impact of a Longitudinal Navigation Program on Surgery Wait Times**Elizabeth Warnack, MD, Margaret Cheng, MSN, WHNP-BC, and Kathie-Ann P. Joseph, MD, MPH, FACS. *New York University School of Medicine, New York, NY***Civilian Concealed Carry Legislation and Unintentional Firearm Mortality in the U.S.: 1986-2015**Matthew C. Hernandez, MD, Donald H. Jenkins, MD, FACS, Henry J. Schiller, MD, FACS, Martin D. Zielinski, MD, FACS, and Mark E. Hamill, MD, FACS. *Mayo Clinic, Rochester, MN, University of Texas Health Sciences Center San Antonio, San Antonio, TX, Carilion Clinic, Roanoke, VA***Lung Cancer Surgical Centralization Disproportionally Worsens Travel Burden for Rural Patients**Joshua Herb, MD, Lisette Dunham, MSPH, and Karyn Stitzenberg, MD, FACS. *University of North Carolina, Chapel Hill, NC***Artificial Intelligence Outperforms Clinical Judgement in Triage for Postoperative ICU Care: Prospective Preliminary Results**Francesco Maria Carrano, MD, Binhuan Wang, PhD, Scott E. Sherman, MD, Danil V. Makarov, MD, Russell S. Berman, MD, FACS, Elliot Newman, MD, FACS, H. Leon Pachter, MD, FACS, and Marcovalerio Melis, MD, FACS. *New York Harbor Healthcare System VAMC, New York, NY, New York University School of Medicine, NYU Langone Health, New York, NY***Should Hepatocellular Cancer Care Be Regionalized? The Effect of Distance Traveled to Treating Facility for Hepatic Resection on Overall Survival**Kathryn E. Engelhardt, MD, Katherine A. Morgan, MD, FACS, Melissa A. Hornor, MD, MS, David B. Adams, MD, FACS, and William P. Lancaster, MD. *Medical University of South Carolina, Charleston, SC, The Ohio State University Wexner Medical Center, Columbus, OH***Epidemiology and Resource Utilization of Incarcerated Persons Presenting with Emergency General Surgery and Trauma Conditions**Mary K. Bryant, MD, Sara Scarlet, MD, MPH, Hanaan Salamah, Shannon Gillespie, Chelsea Hutchinson, MD, Pascal Udekwe, MD, FACS, Elizabeth B. Dreesen, MD, FACS, and Rebecca G. Maine, MD, MPH. *WakeMed Health and Hospitals, Raleigh, NC, University of North Carolina, Chapel Hill, NC***Body Mass Index (BMI) and Chronic Health Conditions: Where Are the Tipping Points?**Natalie Liu, MD, Jen Birstler, Manasa Venkatesh, Lawrence P. Hanrahan, PhD, Guanhua Chen, PhD, and Luke M. Funk, MD, MPH, FACS. *University of Wisconsin, Madison, WI*

**SF216 | 12:45-2:15 pm
Pediatric Surgery III**

LOCATION: MN 21

TRACK(S): PED

MODERATORS:

Elizabeth A. Bierle, MD, FACS, *Birmingham, AL*Troy A. Markel, MD, FACS, *Fishers, IN***The Role of C-C Motif Chemokine Ligand 2 (CCL2) in Metastatic Neuroblastoma**

Michael J. Zobel, MD, Abigail K. Zamora, MD, Grace Asuelime, MS, Shahab Asgharzadeh, MD, and Eugene S. Kim, MD, FACS, FAAP. *Children's Hospital Los Angeles, Los Angeles, CA*

Treatment-Resistant Neuroblastoma Populations Following Anti-GD2 Immunotherapy

Abigail K. Zamora, MD, Michael J. Zobel, MD, Jianping Sun, MD, Michael A. Sheard, PhD, Robert C. Seeger, MD, MS, and Eugene S. Kim, MD, FACS, FAAP. *Children's Hospital Los Angeles, Los Angeles, CA*

Pirfenidone Decreases the Profibrogenic Response of Prominin-1 Expressing Hepatic Progenitor Cells to TGFβ

Elaa Mahdi, MD, MPH, Alison Glazier, PhD, Jiabo Xu, MS, Michael Fenlon, MD, and Kasper Wang, MD, FACS, FAAP. *Children's Hospital Los Angeles, Los Angeles, CA*

ALK Inhibition Decreases Tumor Growth in a TYRO3-Mutated Tumor through Downregulation of STAT3 Signaling

Colin H. Quinn, Adele P. Williams, MD, Raoud Marayati, MD, Jamie M. Aye, MD, Jerry E. Stewart, Elizabeth Mroczek-Musulman, MD, Karina J. Yoon, PhD, and Elizabeth A. Beierle, MD, FACS. *University of Alabama at Birmingham School of Medicine, Birmingham, AL, Children's of Alabama, Birmingham, AL*

Exploring the Mechanism of Intestinal Adaptation and Circulating Humoral Factors in Human Intestinal Enteroids (HIEs) and Organoids (HIOs)

Shreena Patel, MD, David Sequeira, AS, Deepa Bhattarai, MS, Zachary K. Criss, II, Douglas G. Burrin, PhD, Noah F. Shroyer, PhD, and Allison L. Speer, MD. *Baylor College of Medicine, Houston, TX, McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX*

PHD Inhibition Enhances Pulmonary Growth in a Murine Model to Treat Pulmonary Hypoplasia

Victoria Ko, MD, Duy Dao, MD, Lorenzo Anez-Bustillos, MD, Lumeng J. Yu, MD, Bennet S. Cho, Amy Pan, and Mark Puder, MD, FACS. *Boston Children's Hospital, Boston, MA*

Lipocalin-2 Inhibits Interleukin-22 Expression and Reduces Intestinal Adaptation in a Mouse Model of Short Bowel Syndrome

Ailan Zhang, MD, PhD, Peng Lu, PhD, Qinjie Zhou, PhD, Menghan Wang, MS, Thomas Prindle, Hongpeng Jia, MD, Alexander Lau, and Samuel M. Alaish, MD, FACS. *Johns Hopkins University School of Medicine, Baltimore, MD*

Programmed Cell Death Ligand 1 (PDL-1) Protects against Death in Neonatal Sepsis

Michelle E. Wakeley, MD, Monique E. De Paepe, MD, Chun-Shiang Chung, PhD, and Alfred Ayala, PhD. *Brown University, Providence, RI, Women and Infants Hospital, Providence, RI*

Remote Ischemia Conditioning: A Novel Treatment Strategy to Minimize the Intestinal Damage of Midgut Volvulus

Haitao Zhu, MD, PhD, Edoardo Bindi, MD, Bo Li, PhD, Carol M. Lee, MSc, Mashriq Alganabi, MD, Maarten Janssen Lok, MD, and Agostino Pierro, OBE, MD, FRCS(Engl), FRCSEd, FAAP. *The Hospital for Sick Children, Toronto, ON, Canada, Children's Hospital of Fudan University, Shanghai, China*

Farnesoid-X Receptor Inhibition in Macrophages Decreases Intestinal Epithelial Chemokine Expression

Michelle Nguyen, MD, Michael Schumacher, PhD, Mark Frey, PhD, and Christopher P. Gayer, MD, PhD, FACS. *Children's Hospital Los Angeles, Los Angeles, CA*

ROCK1 Inhibitor Promotes Ecadherin Stabilization and Improved Barrier Function in Necrotizing Enterocolitis

Christie Buonpane, MD, Carrie Yuan, Samuel Klonoski, MD, Guillermo Ares, MD, Doug Wood, and Catherine J. Hunter, MD, FACS. *Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, Northwestern University, Chicago, IL*

Beneficial Effects of Butyrate in Injured Intestinal Epithelial Cells and Necrotizing Enterocolitis

Jia Liu, MD, Haitao Zhu, MD, PhD, Bo Li, PhD, Carol M. Lee, MSc, Shan Zheng, MD, and Agostino Pierro, OBE, MD, FRCS(Engl), FRCSEd, FAAP. *The Hospital for Sick Children, Toronto, ON, Canada, Children's Hospital of Fudan University, Shanghai, China*

Growth of Small Intestinal Layers Proximal and Distal to the Intestine Undergoing Distraction Enterogenesis

Lauren S. Y. Wood, MD, Jordan S. Taylor, MD, Hadi S. Hosseini, PhD, Genia Dubrovsky, MD, Anne-Laure Thomas, MS, and James C. Y. Dunn, MD, PhD, FACS. *Stanford University School of Medicine, Stanford, CA, UCLA David Geffen School of Medicine, Los Angeles, CA*

Intestinotrophic Hormone Glucagon-like-Peptide-2 (GLP2) Does Not Induce Growth nor Proliferation in Human Intestinal Enteroids (HIEs) and Organoids (HIOs)

Shreena Patel, MD, David Sequeira, AS, Deepa Bhattarai, MS, Zachary K. Criss, II, Noah F. Shroyer, PhD, and Allison L. Speer, MD. *Baylor College of Medicine, Houston, TX, McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX*

Mesenchymal Stem Cells Accelerate Diabetic Wound Healing by Correcting the Levels of CHD4

Carlos Zgheib, PhD, Lindel K. Dewberry, MD, Sarah A. Hilton, MD, Junwang Xu, PhD, Junyi Hu, MD, and Kenneth W. Liechty, MD, FACS, FAAP. *University of Colorado Denver-Anschutz Medical Campus, Aurora, CO, University of Colorado, Aurora, CO*

SF217 | 12:45-2:15 pm**Thoracic Surgery I**

LOCATION: MN 20

TRACK(S): CTS

MODERATORS:

Stephen R. Broderick, MD, FACS, *Saverna Park, MD*Elizabeth A. David, MD, FACS, *Los Angeles, CA***The ACS NSQIP® Surgical Risk Calculator Performs Well in Pulmonary Resection: A Validation Study**

Shi Yan, MD, Meier Hsu, MS, Kay See Tan, PhD, Katherine D. Gray, MD, Tamar B. Nobel, MD, David R. Jones, MD, FACS, Valerie W. Rusch, MD, FACS, Daniela Molena, MD, FACS, Gaetano Rocco, MD, and James M. Isbell, MD, MSCI, FACS. *Memorial Sloan Kettering Cancer Center, New York, NY*

Minimally Invasive Surgery in the Management of Resectable Thymoma: An Analysis from the National Cancer Database

Hai Salfity, MD, MPH, Lava Timsina, PhD, DuyKhanh Ceppa, MD, and Thomas J. Birdas, MD, FACS. *Indiana University, Indianapolis, IN*

Factors Predicting Discharge Destination after Lung Cancer Resection: An Analysis of the ACS NSQIP® Database

Ngoc-Quynh T. Chu, MD, David A. Mahvi, MD, FACS, and Yolonda L. Colson, MD, PhD, FACS. *Brigham and Women's Hospital, Boston, MA, Massachusetts General Hospital, Boston, MA*

Disparities in Early Stage Lung Cancer Diagnosis before and after Implementation of Screening Guidelines

Tamar B. Nobel, MD, Smita Sihag, MD, MPH, Paolo Boffetta, MD, Prasad Adusumilli, MD, FACS, James M. Isbell, MD, MSCI, FACS, Matthew Bott, MD, Gaetano Rocco, MD, Valerie W. Rusch, MD, FACS, David R. Jones, MD, FACS, and Daniela Molena, MD, FACS. *Memorial Sloan Kettering Cancer Center, New York, NY, Mount Sinai Hospital, New York, NY*

National Patterns of Care and Surgical Outcomes for Non-Metastatic Tracheal Cancer: Is Surgery Underutilized?

Dathe Benissan-Messan, MD, Desmond M. D'Souza, MD, FACS, Susan D. Moffatt-Bruce, MD, PhD, MBA, FACS, Robert E. Merritt, MD, FACS, and Peter Kneuert, MD. *The Ohio State University Wexner Medical Center, Columbus, OH, Ohio State University, Columbus, OH, The Ohio State University, Columbus, OH*

Nationwide Management and Recurrence of Spontaneous Pneumothorax by Treatment Approach

Arturo J. Rios-Diaz, MD, Lisa A. Bevilacqua, MD, Courtney L. Devin, MD, David Metcalfe, LLB, MBChB, Adam C. Berger, MD, FACS, Scott W. Cowan, MD, FACS, Francesco Palazzo, MD, FACS, and Nathaniel R. Evans, III, MD, FACS. *Thomas Jefferson University Hospital, Philadelphia, PA, Balliol College, Oxford, United Kingdom*

Gender Differences and Smoking Status: Single Institution Analysis of Nodal Status and Molecular Profiles in 1078 Lung Cancers

Heidi Reich, MD, Stephanie Yagi, MD, Akbarshakh Akhmerov, MD, James M. Mirocha, MS, Evangeline Rodriguez, PA-C, Maggie Ching, PA-C, Taryne A. Imai, MD, and Harmik J. Soukiasian, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

Reoperation Following Lung Cancer Resection: An ACS NSQIP® Analysis of Predictive Factors and Outcomes

Ngoc-Quynh T. Chu, MD, David A. Mahvi, MD, FACS, and Yolonda L. Colson, MD, PhD, FACS. *Brigham and Women's Hospital, Boston, MA, Massachusetts General Hospital, Boston, MA*

Robotic-Assisted Lobectomy (RATS) Is Associated with Enhanced Preservation of Lung Function

Gregory A. Wasserman, PhD, Amie J. Kent, MD, Iam Claire E. Sarmiento, RN, Efsthia A. Mihelis, PA-C, Samuel J. Scheinerman, MD, FACS, Byron D. Patton, MD, and Richard Lazzaro, MD, FACS. *Northwell Health/Lenox Hill Hospital, New York, NY*

Improvement in Outcomes When Applying Surgical Quality Measures to Small-Cell Lung Cancer (SCLC)

Fernando Espinoza Mercado, MD, FACS, Taryne A. Imai, MD, and Harmik Soukiasian, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

SF218 | 12:45-2:15 pm**Transplantation and Tissue Engineering II**

LOCATION: MS 159

TRACK(S): BTR, GEN

MODERATORS:

Christine S. Hwang, MD, FACS, *Dallas, TX*Carlos E. Marroquin, MD, FACS, *South Burlington, VT***Including Donor Colon in Intestinal Transplantation: Clinical Outcomes**

Cale Ewald, Luciano M. Vargas, MD, FACS, Wendy J. Grant, MD, FACS, David F. Mercer, MD, PhD, FACS, FRCSC, Alan N. Langnas, DO, FACS, and Shaheed Merani, MD, PhD, FRCSC. *University of Nebraska Medical Center, Omaha, NE*

Serial Transverse Enteroplasty Increases Rates of Enteral Autonomy and Improves Long-Term Survival for Pediatric Small Bowel Syndrome Patients: A Markov Decision Analysis

Rashikh A. Choudhury, MD, Hunter Moore, MD, PhD, and Trevor L. Nydam, MD, FACS. *University of Colorado, Aurora, CO, University of Colorado, Denver, CO, University of Colorado Health Science Center, Aurora, CO*

Von Willebrand Factor Facilitates MELD-Independent Risk Stratification on the Waiting List for Liver Transplantation

David Pereyra, MD, Georg Györi, MD, Benedikt Rumpf, Christoph Köditz, Gregor Ortmayr, MD, Thomas Reiberger, MD, PhD, Gabriela A. Berlakovich, MD, and Patrick Starlinger, MD, PhD. *Medical University of Vienna, Vienna, Austria*

CD146+ Adipose Derived Stromal Cells Have Proangiogenic Qualities and Enhance the Regenerative Potential of Grafted Fat

Mimi R. Borrelli, MBBS, Ronak A. Patel, Charles Blackshear, MD, Stephanie Vistnes, Nestor Manuel Diaz Deleon, Rahim Nazerali, MD, FACS, Arash Momeni, MD, Dung Nguyen, MD, Michael T. Longaker, MD, MBA, FACS, and Derrick C. Wan, MD, FACS. *Stanford University School of Medicine, Stanford, CA*

Uterus Transplantation: Experience of Peri- and Postoperative Complications in Recipients of Uterus Transplantation

Liza Johannesson, MD, PhD and Giuliano Testa, MD, MBA, FACS. *Baylor University Medical Center, Dallas, TX*

Lung Transplant Candidates Receiving Older Donor Lungs Have Similar Survival Outcomes

Mohammed A. Kashem, MD, PhD and Yoshiya Toyoda, MD. *Lewis Katz School of Medicine at Temple University, Philadelphia, PA*

Computational Assessment of Donor HLA Amino Acid Sequence, Structure, and Physicochemical Properties Enables Prediction of Their Capacity to Induce Humoral Alloimmunity

Madhivanan Elango, Hannah Charlotte Copley, MB, BChir, and Vasilis Kosmoliaptsis, MD, FRCS, PhD. *University of Cambridge, Cambridge, United Kingdom*

Impact of Imbalanced Graft-to-Spleen Volume Ratio on Outcomes Following Living Donor Liver Transplantation

Siyuan Yao, MD, Toshimi Kaido, PhD, Shintaro Yagi, PhD, FACS, Sena Iwamura, MD, Yosuke Miyachi, MD, Naoko Kamo, PhD, and Shinji Uemoto, PhD. *Kyoto University, Kyoto, Japan*

SF219 | 12:45-2:15 pm

Vascular Surgery II

LOCATION: MS 160

TRACK(S): VAS

MODERATORS:

Shipra Arya, MD, FACS, *Stanford, CA*

Nicholas H. Osborne, MD, FACS, *Ann Arbor, MI*

Supercharging Mesenchymal Stem Cells with E-selectin to Augment Postnatal Neovascularization in the Murine Ischemic Hindlimb



Hallie J. Quiroz, MD, Hongwei J. Shao, MD, PhD, Punam P. Parikh, MD, Yan Li, PhD, Roberta M. Lassance-Soares, PhD, Yulexi Y. Ortiz, Zhao-Jun J. Liu, MD, PhD, and Omaidia C. Velazquez, MD, FACS. *University of Miami, Miller School of Medicine, Miami, FL*

Identifying Patients Undergoing Coronary Artery Bypass Grafting at Low Risk for Carotid Artery Stenosis

Laura T. Boitano, MD, Andrea L. Axtell, MD, Adam Tanious, MD, MMSc, Christopher Latz, MD, William D. Clouse, MD, FACS, and Mark F. Conrad, MD, FACS. *Massachusetts General Hospital, Boston, MA, University of Virginia Health System, Charlottesville, VA*

Impact of Treatment Delays on Outcomes of Ruptured Abdominal Aortic Aneurysm Repair

Linda J. Wang, MD, MBA, RPVI, Satinderjit S. Locham, MD, Hanaa Dakour-Aridi, MD, William D. Clouse, MD, FACS, and Mahmoud Malas, MD, MHS, FACS. *Massachusetts General Hospital, Boston, MA, University of California, San Diego, San Diego, CA, University of Virginia Health System, Charlottesville, VA*

Effects of Proximal Clamp Position on the Outcomes of Open Abdominal Aortic Aneurysm Repair in Patients with Chronic Renal Insufficiency

Ethan S. Rosenfeld, MD, Bao-Ngoc H. Nguyen, MD, FACS, Kyongjune B. Lee, MD, Salim Lala, MD, John J. Ricotta, MD, FACS, Andrew D. Sparks, MS, Richard L. Amdur, PhD, Anton N. Sidawy, MD, MPH, FACS, and Robyn A. Macsata, MD, FACS. *George Washington University, Washington, DC*

Elevated Neutrophil-Lymphocyte Ratio Predicts Mortality Following Elective Open and Endovascular Abdominal Aortic Aneurysm Repair

Alexander H. King, MS, Karem C. Harth, MD, Norman H. Kumins, MD, FACS, Virginia Wong, MD, FACS, David A. Zidar, MD, PhD, Vikram S. Kashyap, MD, FACS, and Jae-Sung Cho, MD, FACS. *University Hospitals Cleveland Medical Center, Cleveland, OH*

Comparison of Contemporary and Earlier Outcomes of Endovascular and Open Repair for Elective, Symptomatic, and Ruptured Abdominal Aortic Aneurysms

Sharjeel A. Chaudhry, Robyn A. Macsata, MD, FACS, John J. Ricotta, MD, FACS, Andrew D. Sparks, Kyongjune B. Lee, MD, Ethan S. Rosenfeld, MD, Salim Lala, MD, Richard L. Amdur, PhD, Anton N. Sidawy, MD, MPH, FACS, and Bao-Ngoc H. Nguyen, MD, FACS. *George Washington University, Washington, DC*

Digital Presence of Vascular Surgeons

Mohammed S. Abdullah, Joshua S. Bilello, and Grant Fankhauser, MD, MBA, FACS. *University of Texas, Galveston, TX*

The Association of Racial and Ethnical Disparities and Frailty in Geriatric Patients Undergoing Revascularization for Peripheral Arterial Disease

Viraj Pandit, MBBS, Muhammad Zeeshan, MD, Mohammad K. Hamidi, MD, Sandeep Jhaggi, MD, Kay Goshima, MD, Craig Weinkauf, MD, Kamil Hanna, MD, Wei Zhou, MD, FACS, Peter R. Nelson, MD, and Tze-Woei Tan, MD. *University of Arizona, Tucson, AZ, University of Oklahoma, Tulsa, OK*

SP220 | 2:30-4:00 pm**e-Posters IV**

LOCATION: MS 201-203

TRACK(S): BTR, EDU, GEN, ONC, TRA

e-Posters are listed in the Scientific Forum e-Poster section on page 170.

SF221 | 2:30-4:00 pm**Colon and Rectal Surgery IV**

LOCATION: MS 159

TRACK(S): CRS

MODERATORS:

Samuel Eisenstein, MD, FACS, *La Jolla, CA*Jennifer Paruch, MD, *New Orleans, LA***Restorative Reconstruction after TME for Rectal Cancer Is Associated with Significant Bowel Dysfunction from Initial Presentation**Srinivas J. Ivatury, MD, MHA, FACS, FASCRS and Lauren Wilson, MD. *Dartmouth-Hitchcock Medical Center, Lebanon, NH***Cost-Effectiveness Evaluation of Surgical Approaches to Proctectomy**Vlad V. Simianu, MD, MPH, Thomas Curran, MD, MHS, Wolfgang Gaertner, MD, FACS, Mary R. Kwaan, MD, MHS, FACS, Robert Madoff, MD, FACS, and Christine C. Jensen, MD, MPH, FACS, FASCRS. *Virginia Mason Medical Center, Seattle, WA, Medical University of South Carolina, Charleston, SC, University of Minnesota, Minneapolis, MN, University of California Los Angeles, Los Angeles, CA***Utilizing a National Surgical Quality Improvement Program (NSQIP)-Based Frailty Index to Identify Risk for Postoperative Complications in Patients Undergoing Surgery for Rectal Malignancy**Joshua Cole, MD, Andrew Shajari, MD, Mark Dudash, MD, Katelyn Young, James Dove, Christopher J. Buzas, DO, FACS, Kevin C. Long, MD, Mohsen Shabahang, MD, PhD, FACS, and Joseph A. Blansfield, MD, FACS. *Geisinger Medical Center, Danville, PA***Effect of Adipose-Derived Stem Cells on Colonic Anastomosis in Immunosuppressed Rats with Everolimus: An Experimental Study**Emre Karakaya, MD, Aydincan Akdur, MD, Tugan Tezcaner, MD, Alev Ok Atilgan, MD, Cagri Uysal, MD, Eda Ozturan Ozer, MD, Sedat Yildirim, MD, FACS, and Mehmet A. Haberal, MD, FACS(Hon). *Baskent University, Ankara, Turkey***Predicting Anastomotic Leak after Elective Colectomy: Utility of a Modified Frailty Index**Jeremy A. Dressler, MD, Nishit Shah, MD, Stephanie N. Lueckel, MD, ScM, FACS, and William G. Cioffi, Jr., MD, FACS. *Brown University/Rhode Island Hospital, Providence, RI***A Rural Health Center's Experience with the "Watch and Wait" Approach to Rectal Cancer**Anfin Erickson, MD, and Luis M. Ocegüera, MD, FACS. *Bassett Medical Center, Cooperstown, NY***Elective Colon Resection for Cancer in End-Stage Liver Disease Patients: Use of MELD Score as a Decision Tool for 30-Day Mortality: An ACS NSQIP® Analysis**Carlos A. Cordova-Cassia, MD, Ana Sofia Ore, MD, Thomas E. Cataldo, MD, Vitaliy Poylin, MD, FACS, and Evangelos Messaris, MD, PhD, FACS. *Beth Israel Deaconess Medical Center, Boston, MA***Decreasing Hospital Readmission in Ileostomy Patients: A Follow-Up Study of a Novel Pilot Program**Nosayaba Enofe, MD, MPH, David H. Howard, PhD, Mathu A. Kumarasamy, Patrick S. Sullivan, MD, FACS, Jahnvi K. Srinivasan, MD, FACS, Charles A. Staley, MD, FACS, Gregory J. Esper, MD, MBA, John F. Sweeney, MD, FACS, Joe Sharma, MD, FACS, and Virginia O. Shaffer, MD, FACS. *Emory University School of Medicine, Atlanta, GA, Emory University, Rollins School of Public Health, Atlanta, GA, Emory University Hospital, Atlanta, GA***Complex Re-Do IPAA and Index IPAA Surgery: Equivalent Short-Term Outcomes in Specialized High-Volume Center**Feza H. Remzi, MD, FACS, Eren Esen, MD, Erman Aytac, MD, H. Tarik Kirat, MD, FACS, David M. Schwartzberg, MD, FACS, and H. Leon Pachter, MD, FACS. *New York University Langone Health, New York, NY, Acibadem Mehmet Ali Aydinlar University, Istanbul, Turkey***A Retrospective Analysis of Low-Grade Appendiceal Mucinous Neoplasms (LAMN) Post Appendectomy**Michelle T. Roper, MD, Judah Kupferman, Marco J. Tomassi, MD, and Daniel Klaristenfeld, MD, FACS. *Naval Medical Center San Diego, San Diego, CA, Sackler School of Medicine at Tel Aviv University, New York, NY, Kaiser Permanente San Diego, San Diego, CA***Anastomotic Leak Rate Is Doubled in Patients Diagnosed with Clostridium Difficile Infection after Colectomy: A Retrospective Review Using the ACS NSQIP® Database**Sarah Baker, MD, Cruz Velasco-Gonzalez, PhD, Heather Green, MS, and David A. Margolin, MD, FACS, FASCRS. *Ochsner Clinic, New Orleans, LA***A Comparison of Postoperative Obstruction for Different Staged IPAA Procedures: A Tertiary Care IBD Center Experience**Michael C. Plietz, MD, Anam Rizvi, MD, Maia Kayal, MD, Prerna Khetan, MD, Marlana Radcliffe, MD, Sergey Khaitov, MD, FACS, Patricia Sylla, MD, FACS, Marla Dubinsky, MD, and Alexander J. Greenstein, MD, FACS. *Icahn School of Medicine at Mount Sinai, New York, NY*

SF222 | 2:30-4:00 pm
General Surgery IV

LOCATION: MN 21

TRACK(S): GEN

MODERATORS:

Alexandra Briggs, MD, *Lebanon, NH*KMarie Reid, MD, FACS, *Smyrna, GA***Nationwide Recurrence of Pancreatitis and Readmissions after Biliary Pancreatitis**

Arturo Jesus J. Rios-Diaz, MD, Charles J. Yeo, MD, FACS, Courtney L. Devin, MD, David Metcalfe, LLB, MBChB, Adam C. Berger, MD, FACS, and Francesco Palazzo, MD, FACS. *Thomas Jefferson University Hospital, Philadelphia, PA, University of Oxford, Oxford, United Kingdom*

Impact of Early Cholecystectomy on the Costs of Treating Mild Gallstone Pancreatitis (Gallstone PANC Trial)

Shuyan Wei, MD, Elenir B. Avritscher, MD, PhD, MBA/MHA, Krislynn M. Mueck, MD, MS, Karla Bernardi, MD, Gabrielle E. Hatton, MD, Mike K. Liang, MD, FACS, Tien C. Ko, MD, FACS, and Lillian S. Kao, MD, FACS. *University of Texas Health Science Center at Houston, Houston, TX*

Gallbladder Wall Thickness as a Predictor of Intraoperative Adverse Events in Laparoscopic Cholecystectomies

Nikolaos Kokoroskos, MD, Jae M. Lee, Thomas Peponis, MD, Alexander Bonde, Karien Meier, MSc, Majed El Hechi, MD, Charlie J. Nederpelt, Haytham M. A. Kaafarani, MD, FACS, George Velmahos, MD, FACS, and Noelle Saillant, MD, FACS. *Massachusetts General Hospital, Boston, MA*

Endoluminal Vacuum Therapy: Changing the Management of Upper Gastrointestinal Leaks

Ayesha Noorani, MD, PhD, Aaron Anthony-Pillai, MD, Dimitrios Pournaras, MD, FRCS, Peter M. Safranek, MD, FRCS, Vijayendran S. Sujendran, MD, FRCS, John M. Bennett, MD, FRCS, Richard H. Hardwick, MD, FRCS, Stavros Gourgiotis, MD, PhD, FACS, FEBS, FRCS, and Andrew Hindmarsh, MD, FRCS. *Addenbrooke's Hospital, Cambridge University Hospitals NHS Foundation Trust, Cambridge, United Kingdom*

Analysis of Outcomes for Elective Inpatient Robotic-Assisted, Laparoscopic, and Open General Surgery in the U.S., 2010-2015

Usman Aslam, MPH, MS, Raelina S. Howell, MD, Collin E. M. Brathwaite, MD, FACS, and Gina Adrales, MD, MPH, FACS. *New York Institute of Technology College of Osteopathic Medicine, Glen Head, NY, New York University Winthrop Hospital, Mineola, NY, Johns Hopkins Medicine, Baltimore, MD*

Practice Patterns and Outcomes Related to Magnetic Resonance Cholangiopancreatography (MRCP) Use in Suspected Choledocholithiasis: A 3-Year Single-Center Retrospective Review

Max Kopitnik, MD, William DeVoe, MD, Clinton Ingersol, MD, and Edward P. Dominguez, MD, FACS. *Riverside Methodist Hospital, Columbus, OH*

Safety and Effectiveness of Oral Intake of 5 percent Glucose Solution 250ml 2-3 Hours before Surgery in Gastric Cancer Patients for Elective Radical Resection: A Multicenter, Single-Blind, Randomized Controlled Trial
Dongjie Yang, MD, FACS, Xun Hou, MD, Chuangqi Chen, MD, and Yulong He, MD. *The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China, First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China*

Clinical Utility and Relevance of a Validated Intraoperative Bleeding Scale (ViBe SCALE)

Abelardo DeAnda, Jr., MD, FACS, FAHA, Ronald A. Lehman, Jr., MD, Kevin M. Lewis, DVM, Emanuele Lo Menzo, MD, PhD, FACS, FASMBs, Daniel M. Sciubba, MD, Aryeh Shander, MD, FCCM, FCCP, FASA, and Philippe E. Spiess, MD, FACS, FRCS(C). *The University of Texas Medical Branch, Galveston, TX, Columbia University Medical Center, New York, NY, Baxter Healthcare Corporation, Deerfield, IL, Cleveland Clinic Florida, Weston, FL, Johns Hopkins University School of Medicine, Baltimore, MD, Englewood Health, Englewood, NJ, Moffitt Cancer Center, Tampa, FL*

Mortality after Emergency General Surgery among Patients with Hematologic Malignancy: A National Assessment

Joseph D. Forrester, MD, MSc, Lakshika Tennakoon, MD, MPhil, David A. Spain, MD, FACS, and Lisa M. Knowlton, MD, MPH, FRCS. *Stanford University, Stanford, CA*

Fluorescence Angiography Improves Perfusion Assessment Despite Surgical Experience

Nikolaj Nerup, MD, Morten B. Svendsen, MScEng, PhD, Jonas Rønn, MD, Lars Konge, MD, PhD, Lars Bo Svendsen, MD, DMSci, and Michael P. Achiam, MD, PhD, DMSci. *Copenhagen University Hospital-Rigshospitalet, Copenhagen, Denmark, Center For Medical Education and Simulation, Copenhagen, Denmark*

SF223 | 2:30-4:00 pm
Geriatric and Palliative Care

LOCATION: MS 160

TRACK(S): GER

MODERATORS:

Shipra Arya, MD, FACS, *Stanford, CA*Marcia M. Russell, MD, FACS, *Palos Verdes Estates, CA***Surgical Complications May Bias Surgeons from Timely Recognition of a Patient's Imminent Death**

Hattie Huston-Paterson, MA, Justin S. Hatchimonji, MD, MBE, Niharika Ganta, MD, Lewis J. Kaplan, MD, FACS, Grace Lee, MD, MSME, Sofia Wronski, MSN, and Niels D. Martin, MD, FACS. *Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA*

Cognition and Capacity to Consent for Elective Surgery

Kahli E. Zietlow, MD, Deborah Oyeyemi, Margaret Hardy, AGPCNP-BC, MSN, Shelley R. McDonald, DO, PhD, Sarah Cook, PhD, Sandhya A. Lagoo-Deenadayalan, MBBS, FACS, Mitchell T. Heflin, MD, MHS, and Heather E. Whitson, MD, MHS. *Duke University, Durham, NC*

Stability of the Modified Frailty Index for Postoperative Mortality and Readmissions over Multiple Calendar-Year Cohorts

Darush Koohestani, Boris I. Chobrutskiy, Haroon C. Janjua, MS, and Vic Velanovich, MD, FACS. *University of South Florida, Tampa, FL*

Enhanced Recovery Program (ERP) Implementation Eliminates Disparity for Geriatric Patients

Samantha Baker, MD, Emily Malone, MPH, Michael Gleason, MD, Daniel I. Chu, MD, FACS, Gregory D. Kennedy, MD, PhD, FACS, George Yang, MD, FACS, and Melanie S. Morris, MD, FACS. *University of Alabama at Birmingham, Birmingham, AL, Birmingham Veterans Affairs Medical Center, Birmingham, AL*

Refining the ACS NSQIP® Surgical Risk Calculator to Include Geriatric Outcomes

Melissa A. Hornor, MD, MS, Meixi Ma, MD, Lynn Zhou, PhD, Mark Cohen, PhD, Ronnie A. Rosenthal, MD, MS, FACS, Marcia M. Russell, MD, FACS, and Clifford Y. Ko, MD, FACS. *The Ohio State University Wexner Medical Center, Columbus, OH, American College of Surgeons, Chicago, IL, University of Alabama at Birmingham Medical Center, Birmingham, AL, Yale University, New Haven, CT, University of California Los Angeles, Los Angeles, CA*

Geriatric Measures as Predictors of 1-Year Mortality in Major Surgery Patients

Victoria Tang, MD, Bocheng Jing, MS, John Boscardin, PhD, Emily Finlayson, MD, MS, FACS, Molly Silvestrini, Sarah Ngo, MLIS, and Kenneth Covinsky, MD, MPH. *University of California, San Francisco, San Francisco, CA, San Francisco Veterans Affairs Medical Center, San Francisco, CA*

The Association of Racial, Ethnic Disparities, and Frailty in Geriatric Trauma Patients

Tanya Anand, MD, Zaid Haddadin, MD, Andrew L. Tang, MD, FACS, Abdul Tawab K. Saljuqi, MD, MPH, Mohammad K. Hamidi, MD, Michael Ditillo, DO, FACS, Narong Kulvatunyou, MD, FACS, Lynn M. Gries, MD, FACS, Ashley Northcutt, MD, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Mortality after Elective Surgery: The Potential Role for Palliative Care

Alexandria Robbins, MD, Jeffrey G. Chipman, MD, FACS, Drew Rosielle, MD, Elizabeth Luszczek, PhD, Tatiana Ditta, and Gregory Beilman, MD, FACS. *University of Minnesota Medical Center, Minneapolis, MN*

Prospective Evaluation of Frailty Assessment Compliance in Acute Care Surgery: Changing Trends, Lessons Learned

Meera Kapadia, MS, Kamil Hanna, MD, Ashley Northcutt, MD, Abdul Tawab K. Saljuqi, MD, MPH, Michael Ditillo, DO, FACS, Lynn M. Gries, MD, FACS, Narong Kulvatunyou, MD, Mohammad K. Hamidi, MD, Lourdes Castanon, MD, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Increased In-Hospital Mortality and Rate of Emergent Cases in Patients with Metastatic Cancer in U.S.

Yana Puckett, MD, MBA, MPH, MSc, and Kevin Pei, MD, FACS. *Texas Tech University Health Sciences Center, Lubbock, TX*

SF224 | 2:30-4:00 pm

Hepatobiliary and Pancreas III

LOCATION: MN 20

TRACK(S): GEN

MODERATORS:

Kamran Idrees, MBBS, FACS, *Nashville, TN*

Kevin K. Roggin, MD, FACS, *Chicago, IL*

The Evolution of Dysglycemia in Diabetics Undergoing Pancreaticoduodenectomy: Results of a 11-Year Series Using Prospective Endocrine Evaluation

Daniel Maxwell, DO, Mohammad Raheel Jajja, MD, Marvi Tariq, MD, Rodolfo Galindo, MD, and Juan Sarmiento, MD, FACS. *Emory University Hospital, Atlanta, GA*

Optimal Pancreatic Surgery: Are We Making Progress?

Joal D. Beane, MD, Jeffrey D. Borrebach, MS, Amer H. Zureikat, MD, FACS, E. Molly Kilbane, RN, Vanessa J. Thompson, PhD, and Henry A. Pitt, MD, FACS. *University of Pittsburgh Medical Center, Pittsburgh, PA, Center for Outcomes Research in Surgery, Indianapolis, IN, American College of Surgeons, Chicago, IL, Temple University, Philadelphia, PA*

Variable Life Adjusted Display (VLAD): Novel Utility of a Metric for Quantification of Perioperative Patient Lives Gained Following Pancreatic Surgery

Naomi M. Sell, MD, MHS, Zhi Ven Fong, MD, MPH, Samuel F. Hohmann, PhD, Cristina R. Ferrone, MD, FACS, Andrew L. Warshaw, MD, FACS, FRCSEd(Hon), Carlos F. Fernandez-del Castillo, MD, FACS, Keith D. Lillemoe, MD, FACS, Jordan P. Bloom, MD, MPH, and Motaz Qadan, MD, FACS. *Massachusetts General Hospital, Boston, MA, Vizient, Chicago, IL*

Effects of Hospital Volume and Regionalization of Care in Patients Undergoing Pancreatic Cancer Resection: A Propensity-Score Matched Analysis

Jose Wilson B. Mesquita-Neto, MD, Peter Cmorej, MD, Awni Shahait, MD, Steve Kim, MD, FACS, Donald W. Weaver, MD, FACS, and Francis Igor B. Macedo, MD. *Wayne State University School of Medicine, Detroit, MI, Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, FL*

Postoperative Outcomes of Laparoscopic vs. Robotic Distal Pancreatectomy: A Propensity-Matched Analysis

Christopher W. Jensen, Michael Baiocchi, PhD, Monica M. Dua, MD, FACS, George A. Poultsides, MD, FACS, Jeffrey A. Norton, MD, FACS, Patrick J. Worth, MD, and Brendan C. Visser, MD, FACS. *Stanford University School of Medicine, Stanford, CA*

Use of Comprehensive Practice Experience to Improve Surgeon-Specific Credentialing Standards

Kyle H. Sheetz, MD, MSc, Usha Nuliyalu, MPH, Hari Nathan, MD, PhD, FACS, and Christopher J. Sonnenday, MD, MPH, FACS. *University of Michigan, Ann Arbor, MI*

The Incidence and Risk Factor Profile for Organ Space Surgical Site Infection Post-Pancreatectomy Did Not Change over the Years: National Surgical Quality Improvement Program Study

Essa M. Aleassa, MD, Nancy Anzlovar, RN, BSN, and Gareth Morris-Stiff, MBBCh, FACS. *Cleveland Clinic Foundation, Cleveland, OH, United Arab Emirates University, Al Ain, United Arab Emirates*

Association of Passive Drainage and Risk of Complications Following Pancreatectomy

Bradley R. Hall, MD, James C. Padussis, MD, Chandrakanth Are, MD, MBA, FACS, FRCS, and Reames N. Bradley, MD. *University of Nebraska Medical Center, Omaha, NE*

Readmissions after Elective Total Pancreatectomy

George Molina, MD, Jiping Wang, MD, PhD, FACS, and Thomas E. Clancy, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

SF225 | 2:30-4:00 pm Trauma/Burn/Critical Care IV

LOCATION: MN 22

TRACK(S): GEN, TRA

MODERATORS:

Joseph Cuschieri, MD, FACS, *Seattle, WA*
Heather L. Evans, MD, FACS, *Charleston, SC*

The Effect of Immersion Trauma Training on Resiliency and Hardiness in Military Medical Personnel

Sarah Szybist, OMS, II, 2LT, U.S. Air Force, Renato Rapada, DO, CPT, U.S. Army, Anthony J. La Porta, MD, FACS, Gail Singer-Chang, Psy-D, MA, MS, Michael S. Czekajlo, MD, PhD, Kelly McDonald, PhD, Roy L. Alson, MD, PhD, Marian N. Safaoui, MD, Natalie Nevins, DO, U.S. Army, and Niela Darmani. *Rocky Vista University, Parker, CO, Western University of Health Sciences, Pomona, CA, Hunter Holmes McGuire VA Medical Center, Richmond, VA*

Injuries Due to Domestic and Intimate Partner Violence in the U.S.: A Nationwide Evaluation of Emergency Department Visits

Lakshika Tennakoon, MD, MPhil, Lisa M. Knowlton, MD, MPH, FRCS, and David A. Spain, MD, FACS. *Stanford University Medical Center, Stanford, CA*

Weight-Based Enoxaparin Achieves Adequate Anti-XA Levels More Often in Trauma Patients: A Prospective Study

Ashlee Stutsrim, MD, Matthew M. Eady, Magdalena Collum, Martin Avery, MD, Gerald Rebo, PharmD, Kristen Rebo, PharmD, Jason Hoth, MD, FACS, Preston R. Miller, III, MD, FACS, and Andrew M. Nunn, MD, FACS. *Wake Forest University School of Medicine, Winston-Salem, NC*

Hepatic Pseudoaneurysm Incidence after Liver Trauma

Monica L. Wagner, MD, Stephanie Streit, MD, FACS, Amy Makley, MD, FACS, Timothy Pritts, MD, PhD, FACS, and Michael Goodman, MD, FACS. *University of Cincinnati, Cincinnati, OH, Nellis Air Force Base, Las Vegas, NV*

Prehospital Needle Decompression Improves Clinical Outcomes in Multisystem Trauma: A Multicenter Study

Aaron M. Strumwasser, MD, MSc, FACS, Kenji Inaba, MD, FACS, Saskya Byerly, MD, Reynold Henry, MD, Bryan Love, MD, Kazuhide Matsushima, MD, FACS, Damon Clark, MD, FACS, Zachary Warriner, MD, Morgan Schellenberg, MD, and Demetrios Demetriades, MD, PhD, FACS. *LAC+USC Medical Center, Los Angeles, CA*

Helicopter Transport Has Decreased over Time: Transport from Scene or Hospital Matters

Areg Grigorian, MD, Michael E. Lekawa, MD, FACS, Sebastian D. Schubl, MD, FACS, Theresa Chin, MD, Dennis Y. Kim, MD, FACS, FRCS, FCCP, FCCM, Christian M. de Virgilio, MD, FACS, and Jeffry Nahmias, MD, FACS. *University of California, Irvine, Orange, CA, University of California, Los Angeles-Harbor, Torrance, CA*

Why We Die: Variables Predicting Early Death after Trauma

Zishaan Farooqui, MD, PhD, Monica Wagner, MD, Nora Elson, MS, Amy Makley, MD, FACS, Timothy Pritts, MD, PhD, FACS, and Michael Goodman, MD, FACS. *University of Cincinnati, Cincinnati, OH*

SF226 | 4:15-5:45 pm Breast II

LOCATION: MN 21

TRACK(S): GEN, ONC

MODERATORS:

Folasade Imeokparia, MD, *Ann Arbor, MI*
Jacqueline S. Jeruss, MD, FACS, *Ann Arbor, MI*

African-American (AA) Breast Cancer Patients Have Proportionately Higher Recurrence Scores after TAILORx Reclassification vs Caucasian Patients: An Examination of the National Cancer Database (NCDB)

Preeti D. Subhedar, MD. *Emory University School of Medicine, Atlanta, GA*

Socioeconomic Disparities in the Use of Radiotherapy after Breast-Conserving Surgery for Early-Stage Breast Cancer

Apoorve Nayyar, MBBS, Paula D. Strassle, MSPH, Danielle I. Jameison, Kathleen Iles, MD, FACS, Kandace P. McGuire, MD, FACS, and Kristalyn K. Gallagher, DO, FACS. *University of North Carolina, Chapel Hill, NC, Virginia Commonwealth University, Richmond, VA*

Do Uninsured Breast Cancer Patients Receive Equal Treatment Despite High-Risk Features?: A Propensity Score-Matched Analysis

Paul W. Prillaman, MD, FACS, Lauren M. Green, MPH, Jay N. Collins, MD, FACS, Rebecca C. Britt, MD, FACS, Jessica R. Burgess, MD, FACS, Marybeth S. Hughes, MD, FACS, Roger R. Perry, MD, FACS, and Eric C. Feliberti, MD, FACS. *Eastern Virginia Medical School, Norfolk, VA*

Differences in Breast Cancer Clinical and Pathological Presentation in Women <40

Taylor James, Nicole Lin and Julian K. Berrocal, MD. *University of Miami, Miller School of Medicine, Miami, FL, JFK Medical Center, Atlantis, FL*



Presentation and Clinical Outcomes in Elderly Women (>70 Years) with Breast Cancer Based on Molecular Subtypes

Esteban Calderon, MD, Heidi Kosiorek, MS, Patricia Cronin, MD, Ann McCullough, MD, Donald Northfelt, MD, Idris Ocal, MD, and Barbara Pockaj, MD, FACS. *Mayo Clinic Arizona, Phoenix, AZ*

The Waiting Game: How Long Are Breast Cancer Patients Waiting for Definitive Diagnosis and Treatment?

Alexandra Kovar, MD, Dulcy L. Wolverton, MD, Gretchen M. Ahrendt, MD, FACS, and Sarah Tevis, MD. *University of Colorado School of Medicine, Aurora, CO*

Time from Breast Cancer Diagnosis to Surgery in a Community Health Care System: Does Time to Surgery Impact Recurrence/Death?

Judy A. Tjoe, MD, FACS, Kayla Heslin, MPH, Shanita Thomas, PhD, and Jessica J. F. Kram, MPH. *Aurora Health Care, Milwaukee, WI*

High Socioeconomic Status Associated with Increasing Statewide Mastectomy Trends

Samilia Obeng-Gyasi, MD, MPH, Oindrila Bhattacharyya, MSc, Lava Timsina, PhD, Sarah E. Severance, MD, Carla S. Fisher, MD, FACS, and David A. Haggstrom, MD, MAS. *Indiana University School of Medicine, Indianapolis, IN, Indiana University Purdue University, Indianapolis, IN, VA Health Services Research and Development Center for Health Information and Communication, Indianapolis, IN*

Comparison of Breast Cancer Screening Navigation between an Inner City and Suburban Medical Center

Maria Castaldi, MD, FACS, Kristina Dzeba, MD, Afshin Parsikia, MD, John McNelis, MD, FCCM, FACS, and Rifat Latifi, MD, FACS, FICS. *Westchester Medical Center, Valhalla, NY, Jacobi Medical Center, Bronx, NY*

Presentation, Clinical and Pathological Characteristics of Breast Cancer in Haitian American Women

Nicole Lin, Taylor James, and Julian K. Berrocal, MD. *University of Miami, Miller School of Medicine, Miami, FL, JFK Medical Center, Atlantis, FL*

SF227 | 4:15-5:45 pm

Colon and Rectal Surgery V

LOCATION: MN 22

TRACK(S): CRS

MODERATORS:

Daniel I. Chu, MD, FACS, *Vestavia, AL*

Carrie Y. Peterson, MD, FACS, *Milwaukee, WI*

Colorectal Cancer (CRC) Prevention in Lung Transplant Recipients: The Need for an Enhanced Surveillance Protocol

Jonathan Dameworth, MD, Luc Colburn, Devin Corrigan, Rebecca Driessen, Kristina Chapple, PhD, Ronald Gagliano, MD, FACS, Rajat Walia, MD, and David Row, MD, FACS. *St. Joseph's Hospital and Medical Center, Phoenix, AZ, Creighton University School of Medicine, Phoenix, AZ, Norton Thoracic Institute, Phoenix, AZ*

Surveillance Colonoscopy in Patients 80 Years and Older: Safe with a High Diagnostic Yield

Ipek Sapci, MD, Alexandra C. Aiello, MPH, Lisa Park, MD, Tracy L. Hull, MD, FACS, Emre Gorgun, MD, FASCRS, FACS, James M. Church, MD, FACS, Scott R. Steele, MD, FACS, FASCRS, and Michael A. Valente, MD, FACS, FASCRS. *Cleveland Clinic, Cleveland, OH*

Interim Analysis: Perioperative Wearable Fitness Devices Accelerate Recovery in Elective Abdominal Colorectal Surgery Patients—A Randomized Clinical Trial

Katherine M. Reitz, MD, Elizabeth M. Andraska, MD, MS, Brandon M. Mahler, David Medich, MD, FACS, FASCRS, Andrew R. Watson, MD, MLitt, FACS, Javier M. Salgado, MD, James Celebrezze, MD, FACS, FASCRS, and Jennifer M. Holder-Murray, MD, FACS, FASCRS. *University of Pittsburgh Medical Center, Pittsburgh, PA, University of Pittsburgh Medical Center, Pittsburgh, PA*

Transanal vs. Laparoscopic Total Mesorectal Excision in Locally Advanced Rectal Cancer: Pathological Outcomes

Ana M. Otero Piñeiro, MD, PhD, Francisco B. de Lacy, MD, Yoelimar Guzmán, MD, Romina Pena, MD, Jacqueline van Laarhoven, MD, PhD, Raquel Bravo, MD, and Antonio M. Lacy, MD, PhD. *Hospital Clinic of Barcelona, Barcelona, Spain*

Do Patient Navigators Improve Colorectal Screening among Minorities? Results of a Meta-Analysis

Emily Ryon, MD, MPH, Kristin N. Kelly, MD, MPH, Matthew S. Sussman, MD, Kylie Breslin, Nivedh Paluvoi, MD, Lawrence Sands, MD, FACS, Nipun Merchant, MD, FACS, and Neha Goel, MD. *University of Miami, Miller School of Medicine, Miami, FL*

Adoption of Laparoscopic Surgery for Colorectal Cancer in the Elderly: Current State and Value Proposition

Deborah S. Keller, MD, Thais Reif de Paula, MD, James M. Kiely, MD, FACS, and Ravi P. Kiran, MD, FACS. *Columbia University Medical Center, New York, NY*

Open vs. Laparoscopic vs. Robotic Surgery for Rectal Cancer: A Cost-Effectiveness Analysis

Julia M. Chandler, MD, MS, Alison A. Conway, Jill Huckels, Rajdeep K. Pooni, MD, Lauren J. Zarnett, MD, Kyueun Lee, MS, Cindy J. Kin, MD, MS, FACS, FASCRS, Joshua A. Solomon, PhD, and Douglas K. Owens, MD, MS. *Stanford University, Stanford, CA, VA Palo Alto Health Care System, Palo Alto, CA*

Genitourinary Injuries in Laparoscopic Colorectal Surgery from a Nationwide Cohort: Risks and Surgical Outcomes

Paul H. McClelland, MD, Tianming Liu, MD, Toni Beninato, MD, FACS, Michael Zenilman, MD, FACS, and Gokhan Ozuner, MD, FASCRS, FACS. *NewYork-Presbyterian Brooklyn Methodist Hospital, Brooklyn, NY*

SF228 | 4:15-5:45 pm
General Surgery V

LOCATION: MN 20

TRACK(S): GEN

MODERATORS:

Olugbenga T. Okusanya, MD, *Pittsburgh, PA*Patricio M. Polanco, MD, FACS, *Dallas, TX***Adhesive Small Bowel Obstruction (ASBO) Protocol in Geriatric Patients**

Jose A. Aldana, MD, Javier E. Rincon, MD, Ricardo A. Fonseca, MD, Rohit K. Rasane, MBBS, MS, Christina X. Zhang, MD, Qiao Zhang, MS, Maya J. Sorini, Kelly M. Bochicchio, RN, MS, Grant V. Bochicchio, MD, MPH, FACS, and Obeid Ilahi, MD, FACS. *Washington University in St. Louis, St. Louis, MO*

Laparoscopic Nissen Fundoplication Outcomes after Same- vs. Next-Day Discharge

Sora Ely, MD, Kara A. Rothenberg, MD, Dana A. Dominguez, MD, Rebecca C. Gologorsky, MD, and CK Chang, MD, FACS. *University of California, San Francisco-East Bay, Oakland, CA, Kaiser Permanente-Oakland Medical Center, Oakland, CA*

Robotic-Assisted Single-Site Cholecystectomy and the Obese Patient: Single Center Outcomes

Stuart A. Abel, MD, Hind S. Al-Lami, MBChB, MPH, Suhail Zeineddin, MD, Abhishek Chandra, Julianne Bingener-Casey, MD, FACS, and Melanie L. Lyden, MD, FACS. *Mayo Clinic, Rochester, MN*

CNP-miR146a Decreases Inflammation in a Murine DSS Colitis Model

Lindel K. Dewberry, MD, Carlos Zgheib, PhD, Sarah A. Hilton, MD, Sudipta Seal, PhD, Jake Newsom, PhD, Melissa D. Krebs, PhD, Junyi Hu, MD, Junwang Xu, PhD, and Kenneth W. Liechty, MD, FACS. *University of Colorado, Aurora, CO, University of Colorado, Denver, CO, University of Central Florida, Orlando, FL, School of Mines, Golden, CO*

Risk of Perforation in the Era of Nonemergent Management for Acute Appendicitis

Kristen M. Westfall, MPH and Anthony G. Charles, MD, MPH, FACS. *University of North Carolina, Chapel Hill, NC*

Esophagogastric Anastomosis Established in Rabbits Using Magnetic Compression Technique: A Preliminary Experiment Study

Dan Ye, MD, Bo Deng, MD, Yong Zhang, MD, PhD, Yi Lv, MD, and Xiaopeng Yan, MD, PhD. *Qide College, Xi'an Jiaotong University, Xi'an, China, Zonglian College, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China*

Skin Bridge Loop Stoma: Early Outcome in 45 Patients in Comparison with Stoma Made on a Plastic Rod

Gabriella T. Capolupo, MD, PhD, Filippo Carannante, MD, Sara Lauricella, MD, Gianluca Mascianà, MD, Erica Mazzotta, MD, Chiara Pagnoni, MD, Chiara Caricato, and Marco Caricato, MD, FACS. *Università Campus Bio-Medico di Roma, Rome, Italy, Università Cattolica del Sacro Cuore, Rome, Italy*

Geometric Singularities in Anastomotic Wall Stress and Perturbed Flow as Applied to Gastrointestinal Surgery

Brian Fleischer, MD, MEng, Anshuman Pal, Roger Hurst, MD, FACS, John Alverdy, MD, FACS, Thomas Witten, PhD, and Luka Pocivavsek, MD, PhD. *University of Chicago, Chicago, IL*

Trends in Utilization of Robotic-Assisted Surgery for Inpatient Elective General Surgery in the U.S., 2010-2015

Usman Aslam, MPH, MS, Chima Amadi, Anirudha Goparaju, MD, Collin E. M. Brathwaite, MD, FACS, and Gina L. Adrales, MD, MPH, FACS. *New York Institute of Technology, College of Osteopathic Medicine, Old Westbury, NY, Renaissance School of Medicine at Stony Brook University, Stony Brook, NY, NYU Winthrop Hospital, Mineola, NY, Johns Hopkins Medicine, Baltimore, MD*

SF229 | 4:15-5:45 pm**Health Services Research V**

LOCATION: MS 152

TRACK(S): HP

MODERATORS:

Lesly A. Dossett, MD, FACS, *Ann Arbor, MI*Amit K. Mathur, MD, FACS, *Phoenix, AZ***Association between Timing and Costs of Postoperative Wound Complications**

Laura A. Graham, PhD, MPH, Todd H. Wagner, PhD, Tanmaya D. Sambare, and Mary T. Hawn, MD, MPH, FACS. *VA Palo Alto Healthcare System, Palo Alto, CA, Stanford-Surgery Policy Improvement Research & Education Center (S-SPIRE), Palo Alto, CA, Stanford University School of Medicine, Stanford, CA*

Themes from an Engagement and Resilience Survey of Surgeons

Ellen H. Morrow, MD, FACS, Amy Locke, MD, Megan Call, PhD, David Webber, MBA, Whitney Werner, MBA, MHA, David M. Ray, MBA, Robert E. Glasgow, MD, FACS, and Samuel R. G. Finlayson, MD, MPH, FACS. *University of Utah, Salt Lake City, UT*

Does This Patient Need Labs? Development and Validation of an Applet to Guide Postoperative Hemoglobin Checks

Nicholas P. McKenna, MD, Amy E. Glasgow, MHA, Robert R. Cima, MD, FACS, Matthew T. Gettman, MD, FACS, Sean C. Dowdy, MD, FACS, Cynthia S. Crowson, PhD, and Elizabeth B. Habermann, PhD, MPH. *Mayo Clinic, Rochester, MN*

Patient Complexity Varies by Surgical Specialty and Does Not Strongly Correlate with Work Relative Value Units

Joel L. Ramirez, Warren J. Gasper, MD, Carolyn D. Seib, MD, Emily Finlayson, MD, MS, FACS, Michael S. Conte, MD, FACS, Julie A. Sosa, MD, MA, FACS, and James C. Iannuzzi, MD. *University of California, San Francisco, San Francisco, CA*

Comparison of Reoperation Incidence and Severity within 6 Months after Bariatric Surgery

Cecile Payet, MPH, Stéphanie Polazzi, MSc, Jean Christophe Lifante, MD, PhD, Laurent Brunaud, MD, PhD, and Antoine Duclos, MD, PhD. *Hospices Civils de Lyon, Lyon, France, Hospices Civils de Lyon, Pierre Benite, France, CHRU Nancy, Nancy, France*

Do Surgeon Practices Reflect the Composition of Their Communities?

Sahaal M. Stapleton, MD, MBA, Numa P. Perez, MD, David C. Chang, MD, MPH, MBA, PhD, Robert N. Goldstone, MD, Yanik J. Bababekov, MD, Keith D. Lillemoe, MD, FACS, Michael T. Watkins, MD, FACS, and Hiroko Kunitake, MD, FACS. *Massachusetts General Hospital, Boston, MA, Mount Sinai Hospital, New York, NY*

Addressing the Opioid Epidemic through Restrictive Opioid-Prescribing Practices

Teresa K. L. Boitano, MD, Haller J. Smith, MD, Duncan Harmon, MD, Anisa Xhaja, MHA, MSHQS, Laura Leal, MSN, Allison Todd, MSN, RN, and J. Michael Straughn, Jr., MD. *University of Alabama at Birmingham, Birmingham, AL*

Barriers to Access: The Effect of Surgical Appointment Lag Time on Patient Cancellations and No-Shows

Austin R. Cannon, MD, Kristin Jeong, MSBA, Andrew Hansen, MBA, David M. Ray, MBA, Samuel R. G. Finlayson, MD, MPH, FACS, and Robert E. Glasgow, MD, FACS. *University of Utah Hospitals & Clinics, Salt Lake City, UT*

Team Communication in an Acute Care Unit: A Social Network Analysis

Sarah Benammi, MD, Naoufel Madani, MD, FACS, Jihane Belayachi, MD, FACS, and Redouane Abouqal, MD, FACS. *University Mohamed V, Rabat, Morocco*

Racial Disparities in Opioid Re-Prescription for Musculoskeletal Trauma Surgery

Emma Harrington, MA, Matthew Basilico, MA, Abhiram Bhashyam, MD, and Marilyn Heng, MD, MPH, FRCSC. *Harvard University Economics, Cambridge, MA, Harvard Medical School, Boston, MA, Harvard Combined Orthopaedics Residency Program, Boston, MA, Massachusetts General Hospital, Boston, MA*

Firearm Prevalence and Pediatric Firearm Homicides: A State-Level Panel Data Analysis

Taylor D. Wurdeman, Alexander W. Peters, MD, Blake Alkire, MD, MPH, and Mark G. Shrime, MD, MPH, PhD, FACS. *Program in Global Surgery and Social Change, Harvard Medical School, Boston, MA, University of Miami, Miller School of Medicine, Miami, FL, Weill Cornell Medical College, New York, NY, Center for Global Surgery Evaluation, Boston, MA, Massachusetts Eye and Ear Infirmary, Boston, MA*

Efficacy of a Standardized Perioperative Clinical Care Pathway for Below Knee Amputation

Stefan M. Czerniecki, MSc, Mackenzie French, Daniel Y. Cho, MD, PhD, Janna Friedly, MD, and Kari A. Keys, MD, FACS. *University of Washington School of Medicine, Seattle, WA, University of Washington, Seattle, WA*

Bayesian Networks for Detection of Postoperative Health Care-Associated Infections Using Electronic Health Care Record Data

Brian T. Bucher, MD, MS, FACS, David E. Skarda, MD, FACS, Samuel R. G. Finlayson, MD, MPH, FACS, Wendy W. Chapman, PhD, Adi V. Gundlapalli, MD, PhD, and Jeffrey P. Ferraro, PhD. *University of Utah School of Medicine, Salt Lake City, UT, Intermountain Healthcare, Murray, UT*

Defining the Influence of Inaccurately Reported Ethnicity on Adjusted Outcomes Models in Trauma Research

Ankita Gore, Paul Truche, MD, Akshara Kartik, Anton Iskariy, Gerardo Lopez, Tim Murphy, MSN, RN, CEN, TCRN, FAEN, Joseph Hanna, MD, PhD, FACS, and Gregory Peck, DO, FACS. *Rutgers Robert Wood Johnson Medical School, Piscataway, NJ, Rutgers School of Graduate Studies, New Brunswick, NJ, Robert Wood Johnson University Hospital, New Brunswick, NJ*

Physician Engagement in Health Policy Advocacy: A Survey Assessment

Amy E. Liepert, MD, FACS, Sarah Beilke, MS, Jocelyn Alcantara, MS, and Ann Sheehy, MD. *University of Wisconsin, Madison, WI*

Impact of Public Cancer Agency Policies on Perioperative Processes and Outcomes in Patients with Resectable Gastric Adenocarcinoma (GCa)

Shelly Luu, MD, Paul Savage, MD, PhD, Jossie Swett-Cosentino, MD, FRCSC, James Conner, MD, PhD, FRCPC, Savtaj Brar, MD, MSc, FRCSC, and Carol Swallow, MD, PhD, FACS, FRCSC. *Lunenfeld-Tanenbaum Research Institute, Toronto, ON, Canada, University of Toronto, Toronto, ON, McGill University, Montreal, QC, Canada, University of Western Ontario, London, ON, Canada, Mount Sinai Hospital, Toronto, ON, Canada*

SF230 | 4:15-5:45 pm

Surgical Oncology IV

LOCATION: MS 158

TRACK(S): ONC

MODERATORS:

John C. Mansour, MD, FACS, Dallas, TX

Susan Tsai, MD, MHS, FACS, Milwaukee, WI

Interleukin-12 Producing Genetically Engineered Macrophages to Reinvigorate Antitumor Immunity against Advanced Gastrointestinal Cancer

Kevin P. Labadie, MD, Shannon A. Kreuser, Katherine J. Brempelis, PhD, Kevin M. Sullivan, MD, Sara K. Daniel, MD, Heidi K. Kenerson, MS, Raymond S. Yeung, MD, FACS, Teresa S. Kim, MD, Courtney A. Crane, PhD, and Venu G. Pillarisetty, MD, FACS. *University of Washington, Seattle, WA, Seattle Children's Research Institute, Seattle, WA*

Immunotherapy of Intrahepatic Cholangiocarcinoma (ICC) with Fc Chimeric Receptor T Cells

Tomohiro Kurokawa, MD, PhD, Filippas Kontos, MD, Teppei Yamada, MD, PhD, Xinhui Wang, MD, PhD, Soldano Ferrone, MD, PhD, and Cristina R. Ferrone, MD, FACS. *Massachusetts General Hospital, Boston, MA*

Initial Safety and Production Efficacy of a Autologous Tumor Lysate- Loaded Yeast Cell Wall Particle Vaccine

Annelies T. Hickerson, MD, Tommy A. Brown, II, MD, Kaitlin M. Peace, MD, Jessica L. Cindass, MD, Timothy J. Vreeland, MD, FACS, Diane Hale, MD, Guy T. Clifton, MD, FACS, Xianzhong Yu, PhD, and George E. Peoples, Jr., MD, FACS. *University of Texas MD Anderson Cancer Center, Houston, TX, Brooke Army Medical Center, San Antonio, TX, Clemson University, Clemson, SC, Cancer Vaccine Development Program, San Antonio, TX*

Opioids Modulate Carcinogenesis via the Gut**Microbiome: A Potential Role in Cancer Immunotherapy**

Virshketan Sethi, MBBS, Saba Kurtom, MD, Anthony Ferrantella, MD, Prateek Sharma, MD, Sundaram Ramakrishnan, PhD, Ashok Saluja, PhD, and Vikas Dudeja, MD. *University of Miami, Miami, FL*

What Is the Time Burden Associated with Completion of Health-Related Quality of Life Questionnaires after Cancer Treatment?

Fredrik Klevebro, MD, PhD, Piers R. Boshier, MD, PhD, Wesley Jenq, and Donald E. Low, MD, FACS. *Virginia Mason Medical Center, Seattle, WA*

Early Development of a Noninvasive Approach to Identify Lymph Node Metastasis in Melanoma Utilizing a NIS-Expressing Oncolytic Adenovirus

Matthew Robertson, MD, Lisa Koodie, PhD, Aditi Bapat, MS, Evidio Domingo-Musibay, MD, Jane Y. C. Hui, MD, FACS, and Julia Davydova, MD, PhD. *University of Minnesota, Minneapolis, MN*

Evaluating the Role of Hypoxia and CXCL12 in Anti-Tumor Immune Response to Pancreatic Adenocarcinoma

Sara K. Daniel, MD, Kevin M. Sullivan, MD, Kevin P. Labadie, MD, Teresa S. Kim, MD, Xiuyun Jiang, PhD, and Venu G. Pillarisetty, MD, FACS. *University of Washington, Seattle, WA*

Adherence to National Guidelines and Effect on Overall Survival in Younger Patients with Colon Cancer: A National Cancer Database Study

Hope Feldman, MD, Morgan Callahan, DO, Katelyn A. Young, Marcus Fluck, Mohsen Shabahang, MD, PhD, FACS, Christopher J. Buzas, DO, FACS, Kevin C. Long, MD, and Joseph A. Blansfield, MD, FACS. *Geisinger Medical Center, Danville, PA*

How Old Is Too Old: Treatment and Survival Disparities in Resectable Pancreatic Head Cancer: An Analysis Using the National Cancer Database

Tommy Ivanics, MD, Shravan Leonard-Murali, MD, Xiaoxia Han, PhD, Christopher P. Steffes, MD, FACS, Rupen A. Shah, MD, and David S. Kwon, MD, FACS. *Henry Ford Hospital, Detroit, MI*

Neoadjuvant Regimen for Esophageal Cancer Predicts Site-Specific Recurrence after Pathologic Complete Response (pCR)

Richard Zheng, MD, Emma Bradley, Nathaniel R. Evans, III, MD, FACS, Ernest L. Rosato, MD, FACS, Francesco Palazzo, MD, FACS, and Adam C. Berger, MD, FACS. *Thomas Jefferson University Hospital, Philadelphia, PA*

Survival after Primary Tumor Resection of Metastasized Osteosarcoma

Talha Ayaz, Asad Loya, and Vinod K. Panchbhavi, MD, FACS. *University of Texas Medical Branch, Galveston, TX, Baylor College of Medicine, Houston, TX*

SF231 | 4:15-5:45 pm

Trauma/Burn/Critical Care V

LOCATION: MN 23

TRACK(S): GEN, TRA

MODERATORS:

Haytham M. A. Kaafarani, MD, MPH, FACS, *Boston, MA*

Matthew D. Neal, MD, FACS, *Pittsburgh, PA*

A Clinical Decision Support Intervention Improves Adherence with Rib Fracture Evidence-Based Practice and Reduces Morbidity and Hospital Length of Stay

Chad A. Macheel, CNP, Patty Reicks, RN, Cori Sybrant, RN, Cory Evans, MD, Joseph Farhat, MD, FACS, Michaela A. West, MD, PhD, FACS, and Christopher J. Tignanelli, MD. *North Memorial Health Hospital, Robbinsdale, MN, University of Tennessee Health Science Center, Memphis, TN, University of Minnesota, Minneapolis, MN*

Selective Use of Contrast-Enhanced Computed Tomography in Closed Abdominal Trauma

Heitor F. Consani, MD. *Surgical Center, Votorantim, Brazil*

Ketorolac Use for Pain Management in Trauma Patients with Rib Fractures Does Not Increase the Incidence of Bleeding or Acute Kidney Injury

Dana Laikrahm, Julia Torabi, Rachel Simon, Skylar DeHaan, Erin Lewis, MD, MS, Michael Jureller, MD, Jody M. Kaban, MD, FACS, and Melvin E. Stone, Jr., MD, FACS. *Albert Einstein College of Medicine, Bronx, NY, Jacobi Medical Center, Bronx, NY*

Acute Care Surgeon Response to Maternal Hemorrhage: A Source of Improvement in Failure to Rescue?

Gregory M. Day, MD, Abid D. Khan, MD, Bryce W. Bunn, and Thomas J. Schroepel, MD, FACS. *UCHealth Memorial Hospital, Colorado Springs, CO*

Identification of Factors Related to an Increased In-Hospital Mortality Rate Following Tracheostomy and Percutaneous Endoscopic Gastrostomy (PEG) Placement in Intensive Care Unit (ICU) Patients

Pamela D. Henry, MS, MD, Chang Liu, PhD, MA, Devon T. Collins, MPH, CPH, CHES, Neul Ha, and Elizabeth Franco, MD, FACS. *INOVA Fairfax Hospital, Falls Church, VA*

Does Tranexamic Acid Affect Graft Patency and DVT/PE Rates in Trauma Patients Undergoing Lower Extremity Arterial Repairs?

Christina X. Zhang, MD, Yun Zhu Bai, Qiao Zhang, MS, Jennifer M. Leonard, MD, PhD, Rohit K. Rasane, MBBS, MS, Jose A. Aldana, MD, Ricardo A. Fonseca, MD, Philip C. Spinella, MD, Gerald R. Fortuna, Jr., MD, FACS, and Grant V. Bochicchio, MD, MPH, FACS. *State University of New York Downstate Medical Center, Brooklyn, NY, Washington University in St. Louis, School of Medicine, St. Louis, MO*

Asking Saves Kids (ASK): Brief Parental Education to Reduce Unintentional Pediatric Firearm Injury

Randi N. Smith, MD, MPH, Jameela Reed, MPH, Juan Macias-Garcia, Danielle N. Blemur, MD, Keneeshia N. Williams, MD, and Fraser-Doh Kiesha, MD. *Emory University School of Medicine, Atlanta, GA, California State University Northridge School of Public Health, Atlanta, GA, Morehouse School of Medicine, Atlanta, GA*

Strict Resuscitation Strategies Improve Outcomes in Patients with Severe Traumatic Brain Injury

Adil Lokhandwala, MD, Kamil Hanna, MD, Zaid Haddadin, MD, Terence O'Keeffe, MD, FACS, Muhammad Zeeshan, MD, Mohammad K. Hamidi, MD, Bellal Joseph, MD, FACS, Lynn M. Gries, MD, FACS, Michael Ditillo, DO, FACS, and Ashley Northcutt, MD. *University of Arizona, Tucson, AZ*

SF232 | 4:15-5:45 pm
Urological Surgery II

LOCATION: MS 159

TRACK(S): URO

MODERATORS:

Sima P. Porten, MD, FACS, *San Francisco, CA*
Stephen B. Williams, MD, FACS, *Galveston, TX*

A Single Institution's Follow-Up Experience with Telemedicine

Joon Yau Leong, Ali Syed, MD, Alexander Uhr, MD, Thenapan Chandrasekar, MD, Leonard Gomella, MD, FACS, and Deborah Glassman, MD, FACS. *Thomas Jefferson University, Philadelphia, PA*

A Cross-Sectional Study Evaluating Financial Toxicity among Bladder Cancer Patients

Mark Ehlers, MD, John Gore, MD, MS, FACS, Stephanie Chisolm, PhD, Allison Deal, and Angela B. Smith, MD, FACS. *University of North Carolina, Chapel Hill, NC, University of Washington, Seattle, WA, Bladder Cancer Advocacy Network (BCAN), Bethesda, MD*

Readmission after Radical Cystectomy Based on Discharge Destination

JuliAnne R. Rathbun, MD, Bin Ge, MD, MA, David R. Mehr, MD, MS, Robin L. Kruse, PhD, and Katie S. Murray, DO. *University of Missouri, Columbia, MO*

Proximity to Oil Refineries and Risk of Bladder Cancer: A Population-Based Analysis

Preston S. Kerr, MD, Tamer J. Dafashy, MD, Daniel L. Phillips, MD, Yong-Fang Kuo, PhD, Hemalkumar B. Mehta, PhD, and Stephen B. Williams, MD, FACS. *University of Texas Medical Branch, Galveston, TX*

Outcomes in Renal Cell Carcinoma (RCC) Patients Undergoing Inferior Vena Cava (IVC) Ligation vs.

Thrombectomy: A Retrospective, Case-Controlled Study
Lillian Xie, Gordon Hong, Dattatraya Patil, MBBS, MPH, Reza Nabavizadeh, MD, Cecilia G. Ethun, MD, MSc, Shishir K. Maithel, MD, FACS, Kenneth Cardona, MD, FACS, Kenneth Ogan, MD, and Viraj A. Master, MD, PhD, FACS. *Emory University School of Medicine, Atlanta, GA*

Atypical Patterns and Timing of Recurrences after Minimally Invasive Surgery for Localized Kidney Cancer

Paul Russo, MD, FACS and Kyle A. Blum, MD, MS. *Memorial Sloan Kettering Cancer Center, New York, NY*

Comparison of Minimally Invasive to Open Approach in Treatment of High Intermediate-Risk Endometrial Cancer

Maahum Kamal, MS, Brandon Roane, MD, Tullia Rushton, MD, and Rebecca Arend, MD. *University of Alabama at Birmingham School of Medicine, Birmingham, AL*

The Prevalence of Penile Cancer in Patients with Adult-Acquired Buried Penis

Kelly Pekala, MD, Daniel Pelzman, MD, Avinash Maganty, MD, Devin Rogers, Katherine Theisen, MD, Thomas Fuller, MD, and Paul Rusilko, DO, FACS. *University of Pittsburgh, Pittsburgh, PA*

Is Cystoscopy a Major Source of Discomfort and Anxiety for Bladder Cancer Patients?

Janet Kukreja, MD, Florian Schroeck, MD, Mark Ehlers, MD, Yair Lotan, MD, John Gore, MD, MS, FACS, and Angela B. Smith, MD, FACS. *University of Colorado, Aurora, CO, Dartmouth-Hitchcock Medical Center, Lebanon, NH, University of North Carolina, Chapel Hill, NC, University of Texas Southwestern Medical Center, Dallas, TX, University of Washington, Seattle, WA*

A Pilot Study of De-Implementation of Empiric Vancomycin Use in Surgical Inpatients

Leah Chisholm, Jennifer Robles, MD, Matthew Marshall, PharmD, George Nelson, MD, and Daniel Barocas, MD, MPH, FACS. *Vanderbilt University School of Medicine, Nashville, TN, Vanderbilt University Medical Center, Nashville, TN*

Wednesday, October 30

SF301 | 8:00-9:30 am
Colon and Rectal Surgery VI

LOCATION: MS 152

TRACK(S): CRS

MODERATORS:

Lisa M. Cannon, MD, *Chicago, IL*
Mukta K. Krane, MD, FACS, *Seattle, WA*

A Comparison of Anastomotic Leaks for Different Staged IPAA Procedures: A Tertiary Care IBD Center Experience

Michael C. Plietz, MD, Anam Rizvi, MD, Maia Kayal, MD, Perna Khetan, MD, Marlana Radcliffe, MD, Sergey Khaitov, MD, FACS, Patricia Sylla, MD, FACS, Marla Dubinsky, MD, and Alexander J. Greenstein, MD, FACS. *Icahn School of Medicine at Mount Sinai, New York, NY*

Quantitative Assessment of Visceral Obesity and Postoperative Colon Cancer Outcomes in a Predominantly Minority Population

Leah E. Hendrick, MD, Andrew Mitchell, MD, Tyler Speaks, MS, Veronica Lippuner, PhD, Travis Scharr, MD, Andrew Fleming, Whitney Guerrero, MD, Evan S. Glazer, MD, PhD, FACS, Andrew Dyer, MD, and David Shibata, MD, FACS, FASCRS. *University of Tennessee Health Science Center, Memphis, TN, University of Tennessee Health Science Center, College of Medicine, Memphis, TN, Memphis Radiological, P.C., Germantown, TN*

Cost Analysis of Simultaneous vs. Staged Resection of Colorectal Cancer Liver Metastases: A Population-Based Study

Julian Wang, MD, Sameer Parpia, PhD, Chu-Shu Gu, PhD, Amiram Gafni, PhD, Pablo E. Serrano Aybar, MD, FACS, Christopher Griffiths, MD, and Marko Simunovic, MD. *McMaster University, Hamilton, ON, Canada, McMaster University, Ancaster, ON, Canada*

Effect of a Multimodal Prehabilitation Program Prior to Colorectal Surgery on Postoperative Pain and Pain Medication Use

Angela Lee, Elizabeth Shelton, Serena Bidwell, Andrew Shelton, MD, FACS, FASCRS, Brooke H. Gurland, MD, FACS, FASCRS, Arden M. Morris, MD, MPH, FACS, and Cindy J. Kin, MD, MS, FACS, FASCRS. *Stanford University, Stanford, CA, Stanford University, Palo Alto, CA*

Microsatellite Status Predicts Effectiveness of Adjuvant Chemotherapy in High-Risk Stage II Colon Cancer

Devi Mukkai Krishnamurthy, MBBS, Yu-Soon A. Park, Nara Tashjian, MBA, and Sarah J. Aurit, MPH. *CHI Heath Creighton University Medical Center, Omaha, NE, Creighton University Medical Center, Omaha, NE*

A National Analysis of Tumor Characteristics, Treatment Patterns, and Long-Term Outcomes in Patients with Early-Onset Colon Cancer

Nkechinye P. Omesiete, MD, Muhammed Zeeshan, MBBS, Mohammed Hamidi, MBBS, Kamil Hanna, MD, Viraj Pandit, MBBS, Alejandro Cruz, Agnes Ewongwo, Bellal Joseph, MD, FACS, and Valentine N. Nfonso, MD, MS, FACS. *University of Arizona, Tucson, AZ*

Emergency, Urgent and Elective Colectomies: A Comparison of Outcomes Using the American College of Surgeons National Surgical Quality Improvement Program

Luv Hajirawala, MD, Maxine Miller, MD, Claudia Leonardi, PhD, Guy Orangio, MD, FACS, Kurt Davis, MD, FACS, and Jeffrey S. Barton, MD, FACS. *Louisiana State University Health Sciences New Orleans, New Orleans, LA*

Opioid Prescription and Utilization in Ambulatory Colorectal Surgery at a Public Safety-Net Hospital

Kasim L. Mirza, MD, Carey Wickham, MD, Erik Noren, MD, Kyle G. Cologne, MD, FACS, FASCRS, Glenn T. Ault, MD, FACS, FASCRS, Christine Hsieh, MD, and Sang W. Lee, MD, FACS, FASCRS. *University of Southern California, Los Angeles, CA*

Risk Factors for Surgical Site Infection and Association of Surgical Site Infection with Survival of Lower Rectal Cancer Patients without Clinical Lateral Pelvic Lymph Node Metastasis (Clinical Stage II/III): Analysis of Data from the JCOG0212 Clinical Trial

Kenji Katsumata, MD, FACS, Tetsuo Ishizaki, MD, FACS, Shin Fujita, MD, Yukihide Kanemitsu, MD, Masaaki Ito, MD, Akio Shiomi, MD, Koji Komori, MD, and Ryunosuke Machida, ME. *Tokyo Medical University, Tokyo, Japan, Tochigi Cancer Center, Tochigi, Japan, National Cancer Center Hospital, Tokyo, Japan, National Cancer Center Hospital East, Kashiwa, Chiba, Japan, Shizuoka Cancer Center Hospital, Shizuoka, Japan, Aichi Cancer Center Hospital, Aichi, Japan, Center for Research Administration and Support, National Cancer Center, Tokyo, Japan*

Combination of Radiotherapy and Anti-CD25 Enhances Local and Abscopal Combination of Radiotherapy and Anti-CD25 Enhances Local and Abscopal Antitumor Effects in Rectal Cancer

Zhaoya Gao, MD, Jin Gu, MD, FACS, and Dengbo Ji, PhD. *Peking University Shougang Hospital, Beijing, China, Peking University Cancer Hospital, Beijing, China*

Effect of Anesthesia on Length of Stay on Patients Undergoing Hemorrhoidectomy

Francis Fraboni, MD. *Ascension Providence Hospital, Southfield, MI*

The Learning Curve for Colorectal Endoscopic Submucosal Dissection (ESD): A Surgeon's Experience at a High-Volume Center

Danica N. Giugliano, MD, Ipek Sapci, MD, Adina Feinberg, MD, Scott R. Steele, MD, FACS, FASCRS, Michael A. Valente, MD, FACS, FASCRS, and Emre Gorgun, MD, FACS, FASCRS. *Cleveland Clinic Foundation, Cleveland, OH*

SF302 | 8:00-9:30 am Endocrine Surgery II

LOCATION: MN 20

TRACK(S): GEN

MODERATORS:

Carrie C. Lubitz, MD, FACS, Boston, MA

Insoo Suh, MD, FACS, San Francisco, CA

Validation of a Six-Point Progressive Intraoperative Parathyroid Hormone-Monitoring Algorithm for Predicting Multigland Disease in Patients Undergoing Parathyroidectomy for Primary Hyperparathyroidism

Catherine Gilbert, Priya H. Dedhia, MD, PhD, David Hughes, MD, FACS, Mark S. Cohen, MD, FACS, Paul G. Gauger, MD, FACS, and Barbra S. Miller, MD, FACS. *University of Michigan, Ann Arbor, MI, University of Wisconsin Hospital and Clinics, Madison, WI*

A Patient-Reported Outcomes Measurement Identifies Disease-Specific Symptom Improvement after Parathyroid and Thyroid Surgery

Samuel J. Zolin, MD, Jennifer Colvin, MD, Talia Burneikis, MD, Judy Jin, MD, FACS, Eren Berber, MD, FACS, Vikram D. Krishnamurthy, MD, Joyce Shin, MD, FACS, and Allan Siperstein, MD. *Cleveland Clinic Foundation, Cleveland, OH*

Synchronous Small Bowel Neuroendocrine Tumors with Liver Metastases: Are Combined Resections Safe?

James P. De Andrade, MD, Kelly J. Lafaro, MD, Philip H. G. Ituarte, PhD, Byrne Lee, MD, FACS, and Gagandeep Singh, MD, FACS. *City of Hope, Duarte, CA*

Risk Factors Associated with Positive Resection Margins in Patients with Adrenocortical Carcinoma

John F. Tierney, MD, Sitaram Chivukula, MD, Nasim T. Babazadeh, MD, Jennifer Poirier, PhD, and Xavier M. Keutgen, MD, FACS. *Rush University Medical Center, Chicago, IL, University of Chicago, Chicago, IL*

Evaluation of Lymph Nodes for Patients Undergoing Curative Intent Resection for Adrenocortical Adenocarcinoma: Therapeutic or Prognostic?

Benjamin W. Deschner, MD, Zachary E. Stiles, DO, Olivia M. DeLozier, MD, Evan S. Glazer, MD, FACS, Jeremiah L. Deneve, DO, FACS, Danny Yakoub, MD, PhD, FACS, and Paxton V. Dickson, MD, FACS. *University of Tennessee Health Science Center, Memphis, TN*

Identifying Risk Factors for Venous Thromboembolism after Adrenalectomy for Primary Adrenal Malignancy

Maureen D. Moore, MD, Christopher Agrusa, MD, Timothy M. Ullmann, MD, Jessica L. Buicko, MD, Toni Beninato, MD, FACS, Rasa Zarnegar, MD, FACS, Thomas J. Fahey, III, MD, FACS, and Brendan M. Finnerty, MD. *New York Presbyterian-Weill Cornell Medical Center, New York, NY*

Pediatric vs. Adult Adrenocortical Carcinoma: Different Rate of Surgical Treatment and Patient Outcome

Mahsa Sedaghati, MD, Dana T. Lin, MD, FACS, Robin M. Cisco, MD, FACS, and Electron Kebebew, MD, FACS. *Stanford Cancer Institute, Stanford, CA*

Conversion during Minimally Invasive Resection for Adrenocortical Carcinoma Is Not the Same as Planned Open Resection: A Cautionary Tale

Olivia M. DeLozier, MD, Zachary E. Stiles, DO, Ben Deschner, MD, Evan S. Glazer, MD, FACS, Jeremiah L. Deneve, DO, FACS, Danny Yakoub, MD, PhD, FACS, and Paxton V. Dickson, MD, FACS. *University of Tennessee Health Science Center, Memphis, TN*

Differences in Post-Thyroidectomy Complications in Use of Vessel Sealant Devices (VSDs) Compared to Traditional Methods

Karen Kong, Richard Y. Hwang, MD, Rolando H. Rolandelli, MD, FACS, and Zoltan H. Nemeth, MD, PhD. *Morristown Medical Center, Morristown, NJ*

Transoral Endoscopic Parathyroidectomy, Early Outcomes from a North American Series

Christopher R. Razavi, MD, Mohammad Shaeer, MD, Rohit Ranganath, MD, Jonathon O. Russell, MD, and Ralph P. Tufano, MD, MBA, FACS. *Johns Hopkins Medicine, Baltimore, MD*

Efficacy of Ultrasound Elastography in Predicting the Success Rate of Ethanol Ablation of Non-Malignant Thyroid Nodules

Mohamed Abdelgawad, MD and Emad Kandil, MBBCh, FACS. *Tulane University School of Medicine, New Orleans, LA*

Not All Laparoscopic Adrenalectomies Are Equal: Analysis of Postoperative Outcomes Based on Tumor Functionality

Jessica Limberg, MD, Dessislava Stefanova, MD, Timothy M. Ullmann, MD, Jessica L. Buicko, MD, Brendan M. Finnerty, MD, Rasa Zarnegar, MD, FACS, Thomas J. Fahey, III, MD, FACS, and Toni Beninato, MD, FACS. *New York Presbyterian-Weill Cornell Medical Center, New York, NY*

SF303 | 8:00-9:30 am

General Surgery VI

LOCATION: MN 21

TRACK(S): GEN

MODERATORS:

Paula Ferrada, MD, FACS, *Richmond, VA*
Arghavan Salles, MD, PhD, *Gilroy, CA*

Experiences of Sexual Harassment among Surgeons: A Qualitative Analysis

Apoorve Nayyar, MBBS, Sara Scarlet, MD, MPH, Paula D. Strassle, MSPH, Matthew Bahnson, MA, Noely C. Banos, MA, Thomas K. Varghese, Jr., MD, MS, FACS, David W. Ollila, MD, FACS, Lillian M. Erdahl, MD, FACS, Kandace P. McGuire, MD, FACS, and Kristalyn K. Gallagher, DO, FACS, FACS. *University of North Carolina, Chapel Hill, NC, North Carolina State University, Raleigh, NC, University of Utah, Salt Lake City, UT, University of Iowa, Iowa City, IA, Virginia Commonwealth University, Richmond, VA*

Time Is Money: Can Punctuality Decrease Operating Room Costs?

William C. Chapman, Jr., MD, MPH, FACS, Xun Luo, MD, Jackie Martin, Jr., MD, MBA, and Jason Wellen, MD, MBA, FACS. *Washington University in St. Louis, School of Medicine, St. Louis, MO*

Effect of Surgery Faculty Diversity of General Surgery Resident Attrition Rate

Rebecca A. Saberi, MD, Thomas A. Boyle, Laura C. Herrera Gomez, MS, Ann-Christina Brady, MD, Juan E. Sola, MD, FACS, Omaid C. Velazquez, MD, FACS, and Holly L. Neville, MD, FACS. *Dewitt Daughtry Family University of Miami Miller School of Medicine, Miami, FL, The Geisel School of Medicine at Dartmouth, Hanover, NH*

Surgeon Experience with Parental Leave Policies Varies Based on Practice Setting

Katherine Bingmer, MD, Danielle S. Walsh, MD, FACS, Nancy L. Gantt, MD, FACS, Hilary A. Sanfey, MBBCh, FACS, and Sharon L. Stein, MD, FACS. *University Hospitals Cleveland Medical Center, Cleveland, OH, East Carolina University, Greenville, NC, Mercy Health, Youngstown, OH, Southern Illinois University, Springfield, IL*

High-Volume Thyroid Surgeons Demonstrate Decreased Cost Despite Higher Case Complexity

Anatoliy V. Rudin, MD, Samuel Zolin, MD, Andrew Pikus, SAIII, and Allan Siperstein, MD. *Cleveland Clinic, Cleveland, OH*

Home Health and Discharge Planning Survey in Elective Surgery Patients

Julie Hong, Danni Lu, Shabana Humayon, MPH, MBBS, Kathleen P. Heslin, Paul F. Murphy, Mary Ann Lind, RN, CMAC, CCTM, ACM-RN, Salvatore Docimo, DO, MS, FACS, Samer Sbayi, MD, MBA, FACS, Konstantinos Spaniolas, MD, FACS, and Aurora Pryor, MD, FACS. *Stony Brook University, Stony Brook, NY, State University of New York Upstate, Syracuse, NY*

Outcomes of Robotic Inguinal Hernia Repair: Operative Time and Cost Analysis

Morcos A. Awad, DO, Jarrod Buzalewski, DO, Cooper Anderson, Marcus Fluck, James T. Dove, Ashley Soloski, MHA, Mohsen M. Shabahang, MD, PhD, FACS, Bogdan Protyniak, MD, FACS, and Nicole E. Sharp, MD. *Geisinger Medical Center, Danville, PA, Geisinger Wyoming Valley Medical Center, Wilkes-Barre, PA*

Impact of the Affordable Care Act Medicaid Expansion on Reimbursement in Emergency General Surgery

Robert-Marlo F. Bautista, Jr., MD, Daniel Davenport, PhD, MBA, Joshua M. Judge, MD, FACS, Avinash S. Bhakta, MD, FACS, and Vashisht V. Madabhushi, MD. *University of Kentucky, Lexington, KY*

Admitted on Friday for Acute Cholecystitis. Can the Operation Wait until Monday?

Michael T. Scott, MD, David Walls, MD, Sinae Kim, PhD, and Stanley Z. Trooskin, MD, FACS. *Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, Rutgers University School of Public Health, Piscataway, NJ*

Safety of Same-Day Discharge after Appendectomy: A Systematic Review

Elisabeth M. L. de Wijkerslooth, MD, Jay M. Bakas, Anne Loes van den Boom, MD, and Bas P. L. Wijnhoven, MD, PhD. *Erasmus MC-University Medical Center, Rotterdam, Netherlands*

SF304 | 8:00-9:30 am

Plastic and Maxillofacial Surgery II

LOCATION: MS 159

TRACK(S): PLA

MODERATORS:

H. Peter Lorenz, MD, FACS, *Stanford, CA*

Jason Pomerantz, MD, FACS, *San Francisco, CA*

CD26+ Fibroblasts Increase in Abundance in Breast Capsule Tissue Surrounding Irradiated Breasts

Mimi R. Borrelli, MBBS, Ronak A. Patel, Dung Nguyen, MD, Arash Momeni, MD, Michael T. Longaker, MD, MBA, FACS, and Derrick C. Wan, MD, FACS. *Stanford University, Stanford, CA, Stanford University Freeman Spogli Institute for International Studies, Chicago, IL*

Obesity Is Not Associated with Complications or Revisions after Gender-Affirming Mastectomy in Transgender Patients

Kara A. Rothenberg, MD, Rebecca C. Gologorsky, MD, J. Carlo C. Hojilla, RN, PhD, and Karen M. Yokoo, MD. *University of California, San Francisco-East Bay, Oakland, CA, Kaiser Permanente Northern California / Weill Institute for Neurosciences, Oakland, CA*

Evaluation of an Extended Outpatient Enoxaparin Regimen for Venous Thromboembolic Prophylaxis after Free Flap Breast Reconstruction

Will DeBrock, Eric Pittelkow, MD, Steve Duquette, MD, Briana McLaughlin, MD, MS, Juan Socas, MD, Mary Lester, MD, FACS, and Aladdin H. Hassanein, MD, MMSc. *Indiana University School of Medicine, Indianapolis, IN, Medical University of South Carolina, Charleston, SC, Brandon Regional Hospital, Brandon, FL*

Lipo-Abdominoplasty vs. Abdominoplasty in Massive Weight Loss Patients: A Comparative Study

Salvatore Giordano, MD, PhD. *Turku University Hospital, Turku, Finland*

Postoperative Prophylactic Antibiotics Is Not Necessary in Tissue-Expander Breast Reconstruction: A Single-Institution's Change in Protocol

Kanad Ghosh, Jocellie Marquez, MD, Kailash Kapadia, Austin Ferrier, Christopher Medrano, William Marmor, Vasileios Vasilaki, MD, Tara Huston, MD, FACS, Sami Khan, MD, FACS, and Duc Bui, MD. *Stony Brook University School of Medicine, Stony Brook, NY*

Affordable Care Act State-Specific Medicaid Expansion Increased Insurance Coverage and Breast Reconstruction Rates: A Difference-in-Difference Model

Yoshiko Toyoda, Eun Jeong Oh, MA, Codruta Chiuzean, PhD, and Christine H. Rohde, MD, MPH. *New York-Presbyterian Hospital, New York, NY, Columbia University, Mailman School of Public Health, New York, NY, Weill Cornell Medicine, New York, NY*

Targeted Biofilm Culture Increases Rate of Organism Identification after Breast Device-Associated Infection

Stephanie Nemir, MD, PhD, Michael Loeffelholz, PhD, ABMM, and Linda Phillips, MD, FACS. *University of Texas MD Anderson Cancer Center, Houston, TX, University of Texas Medical Branch, Galveston, TX*

Sensitivity and Specificity of the Stemmer Sign for Lymphedema: A Clinical-Lymphoscintigraphic Study

Jeremy A. Goss, MD and Arin K. Greene, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA*

A Comparative Study on Non-Binary vs. Transmasculine Patients Who Had Gender-Affirming Chest Surgery

Winnie Tong, MD. *Kaiser Permanente, San Francisco, CA*

Pectoral Nerve Block on Postoperative Analgesia after Gender-Affirming Chest Surgery in Transmasculine and Non-Binary Patients

Winnie Tong, MD, Binbin Wang, MD, and Candace W. Shavit, MD. *Kaiser Permanente, San Francisco, CA*

Omental Flap Coverage for Management of Thoracic Aortic Graft Infection

J. Andres Hernandez, William D. Pivnicka-Worms, John T. Stranix, MD, Said C. Azoury, MD, Geoffrey M. Kozak, MD, Prashanth Vallabhajosyula, MD, FACS, John P. Fischer, MD, FACS, and Stephen J. Kovach, III, MD. *University of Pennsylvania, Philadelphia, PA*

SF305 | 8:00-9:30 am
Surgical Education V

LOCATION: MS 160

TRACK(S): EDU

MODERATORS:

Alan E. Harzman, MD, FACS, *Columbus, OH*James N. Lau, MD, FACS, *Stanford, CA***Gender Differences in Burnout and Barriers to Surgical Career Satisfaction**

Pamela Lu, MD, Adam C. Fields, MD, Alexandra B. Columbus, MD, MHS, Nelya Melnitchouk, MD, MSc, FACS, and Nancy L. Cho, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Maternity Leave and Postpartum Support during Surgical Training: Perspective of General Surgery Program Directors

Manuel Castillo-Angeles, MD, MPH, Douglas S. Smink, MD, FACS, and Erika Rangel, MD, FACS. *Brigham and Women's Hospital, Boston, MA, Brigham and Women's Hospital, Chestnut Hill, MA*

H-Index and Academic Rank by Gender among Breast Surgery Fellowship Faculty

Diane M. Radford, MD, FACS, FRCSEd, Sareh Parangi, MD, FACS, and Julie K. Silver, MD. *Cleveland Clinic Foundation, Cleveland, OH, Harvard Medical School, Massachusetts General Hospital, Brigham and Women's Hospital, and Spaulding Rehabilitation Hospitals, Boston, MA*

20-Year Prospective Longitudinal Study of Perceptions of Women in Surgical Training Programs

Young Lee, MD, MSc, Arjun Chandrasekaran, MD, MSc, MPH, Jasmine Bhinder, Melanie H. Howell, MD, MS, Emmanuel Agaba, MD, FRCSEd, FRCS, FASMBS, Steven Burger, MD, FACS, and Pratibha Vemulapalli, MD, FACS, FASMBS. *The Brooklyn Hospital Center, Brooklyn, NY, Marietta Memorial Hospital, Marietta, OH*

A Lack of Diversity in Medical School Administration: How Surgeons Are Underrepresented

Alex K. Miller, Kristen L. Kolberg, and Rishindra M. Reddy, MD, FACS. *University of Michigan Medical School, Ann Arbor, MI*

Resident Abuse in American General Surgery Programs

Lindsey M. Zhang, MD, Ryan J. Ellis, MD, MS, Shelby Parilla, MPH, Elaine O. Cheung, PhD, Julie K. Johnson, MSPH, PhD, Karl Y. Bilimoria, MD, FACS, and Yue-Yung Hu, MD, MPH. *American College of Surgeons, Chicago, IL, University of Chicago, Chicago, IL, Northwestern University, Chicago, IL*

Written Evaluations of Surgical Residents: Are They Biased?

David P. Ebertz, MD, Helena Y. Hong, Natasha M. Kafai, Hosannah P. Evie, and Arghavan Salles, MD, PhD, FACS. *Washington University in St. Louis, St. Louis, MO*

Surgical Society Diversity and Representation: Are We Making Progress?

Jordan Bilezikian, MD, Irene Israel, MD, Elizabeth Acquista, MBBCh, FACS, Michelle Fillion, MD, FACS, and William W. Hope, MD, FACS. *New Hanover Regional Medical Center, Wilmington, NC*

Do the Demographics of Program Directors in Surgery Correlate with Appointment Length?

Rongzhi Wang, MD, Brent A. Ponce, MD, FACS, and John R. Porterfield, Jr., MD, FACS. *The University of Alabama at Birmingham, Birmingham, AL*

Like Begets Like: How the Diversity of Subject Matter Experts Impact Subgroup Differences on Residency Screening Assessments

Aimee K. Gardner, PhD and Brian J. Dunkin, MD, FACS. *Baylor College of Medicine, Houston, TX, Boston Scientific, Boston, MA*

SF306 | 8:00-9:30 am**Trauma/Burn/Critical Care VI**

LOCATION: MN 22

TRACK(S): GEN, TRA

MODERATORS:

Tam N. Pham, MD, FACS, *Bellevue, WA*Robert G. Sawyer, MD, FACS, *Kalamazoo, MI***Evolution of Nonoperative Management of Abdominal Gunshot Wounds in the U.S.: Analysis of 16,866 Abdominal Gunshot Wounds**

Zaid Haddadin, MD, Kamil Hanna, MD, Lynn M. Gries, MD, FACS, Muhammad Zeeshan, MD, Andrew Tang, MD, FACS, Michael Dittillo, DO, FACS, Lourdes Castanon, MD, Mohammad K. Hamidi, MD, Narong Kulvatunyong, MD, FACS, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Identifying Preoperative Risk Factors Associated with Prolonged Mechanical Ventilation (PMV) in Elective Surgical Patients: First Steps to Improved Risk Stratification

Adil J. Malek, MD, Syed A. Zamin, Lauren Sager, MS, Justin L. Regner, MD, FACS, Harry T. Papaconstantinou, MD, FACS, and Claire L. Isbell, MD, FACS. *Texas A&M College of Medicine, Temple, TX, Baylor Scott and White Health Research Institute, Temple, TX*

Best Case/Worst Case ICU: Using Clinician Input to Adapt a Communication Tool to Assist Older Trauma Patients with Poor Prognosis

Christopher J. Zimmermann, MD, Amy Zelenski, PhD, Nathan D. Baggett, MD, Jennifer L. Tucholka, Holly B. Weis, MD, Toby C. Campbell, MD, Vivian Lin, PhD, Karen J. Brasel, MD, MPH, FACS, Herbert Phelan, MD, FACS, and Margaret L. Schwarze, MD, MPP, FACS. *University of Wisconsin, Madison, WI, University of Texas Southwestern Medical Center, Dallas, TX, Oregon Health & Science University, Portland, OR*

A Rescue Stent Improves Outcomes Compared to REBOA in Noncompressible Hemorrhage

Catherine Go, MD, Jenna Kuhn, MS, Moataz Elsisy, Young-jae Chun, PhD, and Bryan W. Tillman, MD, PhD, FACS. *University of Pittsburgh Medical Center, Pittsburgh, PA, University of Pittsburgh McGowan Institute, North Huntingdon, PA, University of Pittsburgh School of Engineering, Pittsburgh, PA*

Chronic Alcoholism Is Bad for Broken Ribs: A Nationwide Analysis of 20,120 Patients with Rib Fractures

Phillip Vartanyan, MS, Kamil Hanna, MD, Muhammad Zee-shan, MD, Mohammad K. Hamidi, MD, Lynn M. Gries, MD, FACS, Narong Kulvatunyou, MD, Ashley Northcutt, MD, Lourdes Castanon, MD, Michael Ditillo, DO, FACS, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Level 1 Activation for Extremity Gunshot Injuries: Findings at an Urban Trauma Center

Sejul Chaudhary, MD, Victoria Simmons, MD, and Elango Edhayan, MD, FACS. *Ascension St. John Hospital, Detroit, MI*

Quality of Care Variations in a Multi-Institutional Prospective Observational Study of Chest Tube Use in Adult Trauma Patients

Michaela A. West, MD, PhD, FACS, Joseph Farhat, MD, FACS, Barb Curran, MA, M. Kelley Bullard, MD, FACS, Charles Fox, MD, FACS, Chance Spalding, DO, PhD, Gerard A. Baltazar, DO, and Alysia Wiley, PA-C. *North Memorial Health Hospital, Robbinsdale, MN, Alameda Health System, Oakland, CA, Denver Health Medical Center, Denver, CO, Ohio Health, Columbus, OH, SBH Health System, Bronx, NY, University of Colorado Health Northern Colorado, Loveland, CO*

SF307 | 9:45-11:15 am Breast III

LOCATION: MN 21

TRACK(S): GEN, ONC

MODERATORS:

Tasha Hughes, MD, *Ann Arbor, MI*

Julie A. Margenthaler, MD, FACS, *St. Louis, MO*

Assessing Patients' Knowledge of the Impact of Obesity on Breast Cancer Risk

Cassie Y. Huang, Andrea E. Davis, MD, Julia Lewandowski, Kelly Allison, PhD, FAED, and Julia C. Tchou, MD, FACS. *Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA*

Concurrent Overweight, Obesity, and Related Comorbidities with Advanced Breast Cancer in a Safety Net Hospital: Opportunity for Improvement

Chelsea Santos, MPH, Ross Mudgway, Naveenraj L. Solomon, MD, FACS, and Sharon S. Lum, MD, FACS. *University of California, Riverside School of Medicine, Riverside, CA, Loma Linda University Medical Center, Loma Linda, CA*

Enhanced Recovery after Surgery Protocol Reduces Narcotic Requirement and Length of Stay in Patients Undergoing Mastectomy with Implant-Based Reconstruction

Gregory T. Kennedy, MD, Cassie Y. Huang, Alycia So, MD, Christine Hill, Liza C. Wu, MD, FACS, Joshua Fosnot, MD, John T. Farrar, MD, PhD, and Julia C. Tchou, MD, PhD, FACS. *Hospital of the University of Pennsylvania, Philadelphia, PA*

Can SPY EliteR Be a Cost-Effective Instrument in Plastic Surgery?

Sean B. Snyder, Douglas J. Maslowski, Joseph Summers, and Cristiane M. Ueno, MD, FACS. *West Virginia University, Morgantown, WV*

Factors Predictive for Surgical Site Infection in Patients Undergoing Surgery for Breast Carcinoma

Jessica Pastoriza, MD, Afshin Parsikia, MD, FACS, Maria Castaldi, MD, FACS, and John McNelis, MD, FACS, FCCM. *Jacobi Medical Center, Bronx, NY, Westchester Medical Center, Valhalla, NY*

When to Perform Reduction Mammoplasty in the Adolescent Patient

Laura C. Nuzzi, Tannishtha Pramanick, Joseph M. Firriolo, MD, Catherine T. McNamara, and Brian I. Labow, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA, University of California, Davis Medical Center, Sacramento, CA*

Non-Initiation of Tamoxifen in Young Women at High Risk for Breast Cancer

Pridvi Kandagatla, MD, Danijela Dokic, MD, Jeanne Kochkodan, Megan Yanik, Sowmya Goranta, MD, and Jacqueline S. Jeruss, MD, PhD, FACS. *Henry Ford Hospital, Wayne State University, Detroit, MI, University of Michigan, Ann Arbor, MI, Mercy Hospital & Medical Center, Chicago, IL, Hurley Medical Center, Flint, MI*

Efficient and Economical Alternative to Breast Image-Guided Localization

Cary S. Kaufman, MD, FACS. *Bellingham Regional Breast Center, Bellingham, WA*

Is Milk Fistula a Legitimate Concern or an Unfounded Fear?: A Cohort Study to Estimate Incidence

Helen M. Johnson, MD and Katrina B. Mitchell, MD, FACS. *East Carolina University Brody School of Medicine, Greenville, NC, Presbyterian Healthcare Services - MD Anderson Cancer Network, Albuquerque, NM, University of New Mexico School of Medicine, Albuquerque, NM*

Multicenter Study to Standardize and Evaluate the Efficacy of Radiofrequency Ablation Therapy for Early Breast Cancer (RAFAELO Study)

Takayuki Kinoshita, MD, PhD. *Tokyo Medical Center, Tokyo, Japan*

SF308 | 9:45-11:15 am General Surgery VII

LOCATION: MN 22

TRACK(S): GEN

MODERATORS:

Peter K. Kim, MD, FACS, *Pelham, NY*

Please see addendum and Clinical Congress App.

Nanosilk Reduces Pressure Ulcer Formation

Sarah A. Hilton, MD, Lindel K. Dewberry, MD, Junyi Hu, MD, Junwang Xu, PhD, Sudipta Seal, PhD, Kenneth W. Liechty, MD, FACS, and Carlos Zgheib, PhD. *University of Colorado, Denver, CO, University of Central Florida, Orlando, FL*

Preoperative Frailty Associated with Worse Postoperative Outcomes in Patients Undergoing Abdominal Wall Reconstruction

Dina Podolsky, MD, Samantha K. Nemeth, MA, MPH, Abraham Krikhely, MD, FACS, and Yuri W. Novitsky, MD, FACS. *Columbia University Medical Center, New York, NY*

Novel Preoperative Risk Assessment Scoring for Anticipated Complications Following Hiatal Hernia Repair: An ACS NSQIP® Study

Andrew Broda, Zachary Sanford, MD, Alex Addo, MD, and Adrian Park, MD, FACS. *Anne Arundel Medical Center, Annapolis, MD*

Assessment of the Risk Analysis Index for Evaluating Frailty of High-Risk Surgical Patients

Michelle Wan, James Clark, MD, David T. Cooke, MD, FACS, and Lisa M. Brown, MD, MAS, FACS. *University of California, Davis Health, Sacramento, CA*

The Effect of HbA1C on Wound Healing in Diabetic Foot Ulcers Treated with Hyperbaric Oxygen Therapy

Sharmeen Husain, MD, Sami Shoucair, MD, David Blitzer, MD, and David Z. Martin, MD, FACS. *Medstar Good Samaritan Hospital, Baltimore, MD*

Improved Patient Outcomes and Reduced Cost in Treating Acute Appendicitis with a Shift-Based Acute Care Surgery Model Compared to Traditional General Surgery Call

Beatrice Caballero, MS, Yana Puckett, MD, MBA, MPH, MSc, Caroline Chung, Michelle Estrada, MD, Adel Alhaj-Saleh, MD, MRCS, Ariel P. Santos, MD, FACS, and Catherine Ronaghan, MD, FACS. *Texas Tech University Health Sciences Center, Lubbock, TX*

Silver Microparticles Plus Fibrin Accelerates Diabetic Wound Healing

Frank E. Primus, MD, Victoria Lyo, MD, Charlotte Young, David M. Young, MD, FACS, and Hobart W. Harris, MD, MPH, FACS. *University of California, San Francisco, San Francisco, CA*

Management Details and 30-Day Outcomes of Enterocutaneous Fistula Takedown—An Analysis of the Americas Hernia Society Quality Collaborative

Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Aldo Fafaj, MD, Samuel Zolin, MD, Raha AlMarzooqi, MD, Clayton C. Petro, MD, Li-Ching Huang, PhD, David M. Krpata, MD, Ajita S. Prabhu, MD, FACS, and Michael J. Rosen, MD, FACS. *Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH, Vanderbilt University Medical Center, Nashville, TN*

SF309 | 9:45-11:15 am

Hepatobiliary and Pancreas IV

LOCATION: MS 159

TRACK(S): GEN

MODERATORS:

Kenneth Cardona, MD, FACS, *Atlanta, GA*

Scott K. Sherman, MD, *Chicago, IL*

Safety and Feasibility of Hepatic Artery Infusion Pump Chemotherapy for Unresectable Colorectal Liver Metastases: A Multicenter, Retrospective Cohort Study

Hala Muaddi, MD, Ryan C. Fields, MD, FACS, Federico Aucejo, MD, Kevin G. Billingsley, MD, FACS, Brett S. Walker, MD, Michael D'Angelica, MD, FACS, Nicholas V. Latchana, MD, Rachel Roke, CCRP, Yoo-Joung Ko, MD, MMSc, SM, FRCPC, Gregory Williams, MA, Lou-Anne Acevedo-Moreno, MD, Skye C. Mayo, MD, MPH, FACS, and Paul Karanicolas, MD, PhD, FACS, FRCS(C). *University of Toronto, Toronto, ON, Canada, Washington University in St. Louis, School of Medicine, St. Louis, MO, Cleveland Clinic, Cleveland, OH, Oregon Health & Science University School of Medicine, Portland, OR, Oregon Health & Science University Knight Cancer Institute, Portland, OR, Memorial Sloan Kettering, New York, NY, Sunnybrook Health Sciences Centre, Toronto, ON, Canada*

A Comparison of Laparoscopic Ultrasound and Magnetic Resonance Imaging in the Detection of Malignant Liver Tumors

Bora Kahramangil, MD, Emin Kose, MD, Husnu Aydin, MD, Mustafa Donmez, MD, Hideo Takahashi, MD, Federico N. Aucejo, MD, and Eren Berber, MD, FACS. *Cleveland Clinic Florida, Weston, FL, Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH*

Routine Intensive Care Unit Admission Following Hepatectomy for Cancer Does Not Decrease Rates of Failure-to-Rescue

Katiuscha Merath, MD, Marcelo Cerullo, MD, Syeda A. Farooq, MBBS, Diamantis I. Tsilimigras, MD, Joseph K. Canner, MHS, Kota Sahara, MD, Rittal Mehta, MPH, Anghela Paredes, MD, Jin He, MD, and Timothy M. Pawlik, MD, MPH, PhD, FACS. *The Ohio State University, Columbus, OH, Duke University, Durham, NC, Johns Hopkins University, Baltimore, MD*

The Potential Mechanism of Positive Feedback Loop of LncRNA-ZEB1-AS1/ZEB1/HIF-1a/HDAC1 in Metastasis and Invasion of Pancreatic Cancer under Hypoxic Micro-Environment

Yan Jin, MD. *First Affiliated Hospital of Wannan Medical College, Wuhu, China*

Leflunomide Changes the Tumor Immune Microenvironment and Mitigates Pancreatic Cancer Growth in an Immunocompetent Mouse Model

Thuy Phan, PhD, Vu Nguyen, PhD, Ralf Buettner, PhD, Corey Morales, Marcela S. D'Alincourt, PhD, Steven T. Rosen, MD, FACS, and Laleh G. Melstrom, MD, FACS. *City of Hope, Duarte, CA*

IL-15/B7-H3 TriKEs-Based Immunotherapy for Pancreatic Ductal Adenocarcinoma (PDAC)

Filippos Kontos, MD, Tomohiro Kurokawa, MD, PhD, Daniel A. Vallera, PhD, Soldano Ferrone, MD, PhD, and Cristina R. Ferrone, MD, FACS. *Massachusetts General Hospital, Boston, MA, University of Minnesota Masonic Cancer Center, Minneapolis, MN*

High CD73 Expression Is Associated with Accelerated Cell Cycle and Cell Adhesion Resulting in Worse Survival in Pancreatic Cancer

Eriko Katsuta, MD, PhD and Kazuaki Takabe, MD, PhD, FACS. *Roswell Park Comprehensive Cancer Center, Buffalo, NY, Roswell Park Cancer Institute, Buffalo, NY*

Tumor-Associated Macrophages Protect Pancreatic Cancer from Complement-Dependent Cytotoxicity by Up-Regulation of Complement Regulator CD59 via IL-6R/STAT3 Signaling Pathway

Ronghua Zhang, MD, Qiaofei Liu, MD, and Quan Liao, MD. *Peking Union Medical College & Chinese Academy of Medical Sciences, Beijing, China*

MicroRNA Signatures Predict Liver Dysfunction in Patients Undergoing Liver Resection

Patrick Starlinger, MD, PhD, David Pereyra, MD, Hackl Hubert, PhD, Elisabeth Geiger, PhD, Dietmar Tamandl, MD, PhD, Christine Brostjan, PhD, Thomas Grünberger, MD, Matthias Hackl, PhD, and Alice Assinger, PhD. *Medical University of Vienna, Vienna, Austria, Medical University of Innsbruck, Innsbruck, Austria, TAmiRNA GmbH, Vienna, Austria, Kaiser Franz Joseph Hospital, Vienna, Austria*

Monitoring Tumor Metabolic Flux In Vivo after Treatment with a Novel Lactate Dehydrogenase Inhibitor

Nobu Oshima, MD, PhD, FACS, Kazutaka Obama, MD, PhD, FACS, Yoshiharu Sakai, MD, FACS, Murali C. Krishna, PhD, and Leonard M. Neckers, PhD. *Kyoto University, Kyoto, Japan, National Cancer Institute/National Institutes of Health, Bethesda, MD*

SP310 | 9:45-11:15 pm

e-Posters V

LOCATION: MS 201-203

TRACK(S): BTR, CTS, CRS, HP, PLA, TRA

e-Posters are listed in the Scientific Forum e-Poster section on page 170.

SF311 | 9:45-11:15 am

Plastic and Maxillofacial Surgery III

LOCATION: MS 160

TRACK(S): PLA

MODERATORS:

Geoffrey C. Gurtner, MD, FACS, *Stanford, CA*

Arash Momeni, MD, *Palo Alto, CA*

An Analysis of Medicare Reimbursement Rates to Physicians in Plastic Surgery: 2000-2019

Nikita Gupta, Jack Haglin, Jeremie D. Oliver, and Alanna Rebecca, MD. *Mayo Clinic, Phoenix, AZ, Mayo Clinic School of Medicine, Scottsdale, AZ, Mayo Clinic School of Medicine, Rochester, MN*

Tumors Co-opt Fibroblast Wound-Healing Capacity

Deshka S. Foster, MD, MA, Shamik Mascharak, Alan T. Nguyen, Malini Chinta, Ankrit Salhotra, Ashley L. Titan, MD, Ruth Ellen Jones, MD, Oscar da Silva, Jeffrey A. Norton, MD, FACS, and Michael T. Longaker, MD, MBA, FACS. *Stanford University, Stanford, CA*

Somatic Arteriovenous Malformation MAP2K1 Mutation Causes Cartilage Overgrowth by a Cell Non-Autonomous Mechanism

Jeremy A. Goss, MD, Patrick J. Smits, PhD, and Arin K. Greene, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA*

Neosuture Formation after Craniosynostosis Reconstruction: Review of Literature and Reported Incidence in Major Sutures

Anuj L. Bapodra, Amanda N. Awad, Brittany N. Nguyen, MD, and Oluwaseun A. Adetayo, MD, FACS. *Albany Medical College, Albany, NY*

Quantitative Effects of Cleft Lip and Nose Adhesion on Nostril and Alveolar Discrepancy in Wide Unilateral and Bilateral Clefts

Laura K. Hobbs, MS, Aditi M. Kanth, MD, Brittany N. Nguyen, MD, Joseph A. Ricci, MD, and Oluwaseun A. Adetayo, MD, FACS, FAAP. *Albany Medical Center, Albany, NY*

Efficacy of Staged Oronasal Reconstruction to Improve Bone Graft Survival in Cleft Patients

Amanda N. Awad, Olivia F. Watman, MBA, Aditi M. Kanth, MD, Brittany N. Nguyen, MD, and Oluwaseun A. Adetayo, MD, FACS, FAAP. *Albany Medical College, Albany, NY*

Sex-Specific Differences in Upper Eyelid Blepharoplasty: A Retrospective Single-Center Study with 483 Patients

Reinhard Pauzenberger, MD, Lucie Harpain, MD, Theresa Dannenmann, Alexander Thury, Ines Ederer, MD, and Stefan Hacker, MD. *Medical University of Vienna/Vienna General Hospital, Vienna, Austria, Eberhard Karls University Tübingen, Tübingen, Germany*

Treatment of Facial Fractures at a Level 1 Trauma Center: Does Insurance Type Make a Difference?

Amanda Fazzalari, MD, David Alfego, PhD, Joseph T. Shortsleeve, Qiming Shi, MS, Jomol Mathew, PhD, Deme-trius Litwin, MD, MBA, FACS, and Mitchell A. Cahan, MD, MBA, FACS. *University of Massachusetts Medical School, Worcester, MA, St. Mary's Hospital, Waterbury, CT*

Factors Affecting Healing in Patients Participating in a Hidradenitis Suppurativa Multidisciplinary Clinic

Andrew P. Worden, MD, Ihab Saab, MD, Aamir Siddiqui, MD, FACS, and Daniel Yoho, MD. *Henry Ford Hospital, Detroit, MI*

Treatment of Hidradenitis with Synthetic Biodegradable Matrix Eliminated Postsurgical Hospitalization

Howard G. Smith, MD, FACS. *Orlando Health, Orlando, FL*

One-Stage vs. Two-Stage Arteriovenous Loop Reconstructions -Different Indications, Similar Outcomes

Dominic Henn, MD, Matthias S. T. Waehmann, MD, Miriam Horsch, Emre Gazyakan, MD, Christoph Hirche, MD, Volker J. Schmidt, MD, Guenter Germann, MD, and Ulrich Kneser, MD. *Stanford University, Stanford, CA, University of Heidelberg, BG Trauma Center Ludwigshafen, Ludwigshafen, Germany, Ethianum Clinic, Heidelberg, Germany*

Outcomes Following Free Fibula Flaps for Pediatric Mandibular Reconstruction: A Systematic Review

Joseph M. Firriolo, MD, Rushil R. Dang, DDS, MD, Laura C. Nuzzi, Steven J. Caldrony, DDS, MD, and Brian I. Labow, MD, FACS. *University of California, Davis Medical Center, Sacramento, CA, Boston Medical Center, Boston, MA, Boston Children's Hospital, Harvard Medical School, Boston, MA*

SF312 | 9:45-11:15 am

Thoracic Surgery II

LOCATION: MN 23

TRACK(S): CTS

MODERATORS:

Jules Lin, MD, FACS, *Ann Arbor, MI*

David D. Odell, MD, FACS, *Chicago, IL*

Improved Preoperative Risk Assessment Is Needed to Guide Informed Decision Making Prior to Esophagectomy

Katherine D. Gray, MD, Tamar B. Nobel, MD, Kay See Tan, PhD, Meier Hsu, MS, Shi Yan, MD, Valerie W. Rusch, MD, FACS, David R. Jones, MD, FACS, Gaetano Rocco, MD, Daniela Molena, MD, FACS, and James M. Isbell, MD, MSCI, FACS. *Memorial Sloan Kettering Cancer Center, New York, NY*

Esophagectomy Outcomes after Implementation of an Enhanced Recovery after Surgery (ERAS) Program

Greg J. Haro, MD, Fang Yu Sheu, MD, Stanley J. Rogers, MD, David M. Jablons, MD, FACS, and Johannes R. Kratz, MD. *University of California, San Francisco, San Francisco, CA*

A National Evaluation of Short-Term and Intermediate-Term Readmission after Esophagectomy

Chi-Fu J. Yang, MD, Yoyo Wang, Hao He, PhD, Douglas Liou, MD, Natalie Lui, MD, Mark F. Berry, MD, Joseph Shrager, MD, and Leah Backhus, MD, MPH, FACS. *Stanford University, Stanford, CA*

Institution of an Enhanced Recovery after Surgery (ERAS) Pathway Following Transhiatal Esophagectomy Decreases Length of Stay without Increasing Morbidity or Mortality

Thuan D. Nguyen and John Keech, MD, FACS. *University of Iowa Hospitals and Clinics, Iowa City, IA*

Neutrophil-Lymphocyte Ratio (NLR) Predicts Response to Neoadjuvant Chemotherapy in Oesophageal Carcinoma (OCA)

Arfon G. Powell, MBChB, MRCS, David Robinson, MB, ChB, MRCS, Chris Brown, MBBCh, MRCS, Luke Hopkins, MB, ChB, MRCS, Richard J. Egan, MD, FRCS, and Wyn G. Lewis, MD, DSc, FRCS. *Cardiff University, Cardiff, United Kingdom, Health Education and Improvement Wales, Cardiff, United Kingdom, HEIW, Cardiff, United Kingdom*

Drain Amylase Can Accurately Detect Anastomotic Leak Independent of Patient Factors and Location or Type of Anastomosis

Christopher Towe, MD, Philip A. Linden, MD, FACS, Boxiang Jiang, MD, Stephanie Worrell, MD, Katelynn C. Bachman, MD, and Yaron Perry, MD, FACS. *University Hospitals, Cleveland, OH, University Hospitals Cleveland Medical Center, Cleveland, OH*

Prognostic Significance of Systemic Inflammatory Response in Oesophageal Adenocarcinoma

Arfon G. Powell, PhD, MRCS, Chris Brown, MBBCh, MRCS, David Robinson, MB, ChB, MRCS, Luke Hopkins, MB, ChB, MRCS, Richard J. Egan, MD, FRCS, and Wyn G. Lewis, MD, DSc, FRCS. *Cardiff University, Cardiff, United Kingdom, Health Education and Improvement Wales, Cardiff, United Kingdom*

Differences in ACS NSQIP® Esophagectomy Outcomes by Surgeon Specialty

Sora Ely, MD, Kara A. Rothenberg, MD, Rebecca C. Gologorsky, MD, Dana A. Dominguez, MD, C.K. Chang, MD, FACS, and Jeffrey B. Velotta, MD. *University of California, San Francisco-East Bay, Oakland, CA, Kaiser Permanente-Oakland Medical Center, Oakland, CA*

Identifying City-Level Esophageal Cancer Disparities to Guide Future Targeted Intervention

Tamar B. Nobel, MD, Smita Sihag, MD, MPH, Paolo Boffetta, MD, James M. Isbell, MD, MSCI, FACS, Prasad Adusumilli, MD, FACS, Matthew Bott, MD, Valerie W. Rusch, MD, FACS, Gaetano Rocco, MD, David R. Jones, MD, FACS, and Daniela Molena, MD, FACS. *Memorial Sloan Kettering Cancer Center, New York, NY*

Short Hospital Stay and Low Recurrence Rates with Robot-Assisted Laparoscopic Paraesophageal Hiatal Hernia Repair: An Improvement on Both Transthoracic and Laparoscopic Approaches

Toby P. Keeney-Bonthrone, Kenneth E. Abbott, Andrew C. Chang, MD, FACS, Jules Lin, MD, FACS, Philip W. Carrott, MD, FACS, Kiran H. Lagisetty, MD, FACS, Mark B. Orringer, MD, FACS, and Rishindra M. Reddy, MD, FACS. *University of Michigan, Ann Arbor, MI*

SF313 | 9:45-11:15 am

Trauma/Burn/Critical Care VII

LOCATION: MN 20

TRACK(S): GEN, TRA

MODERATORS:

Daithi S. Heffernan, MBBCh, FACS, *Providence, RI*

S. Rob Todd, MD, FACS, FCCM, *Houston, TX*

Elucidating the Molecular Mechanisms of Fibrinolytic Shutdown after Severe Injury: The Role of Thrombin Activatable Fibrinolysis Inhibitor

Julia R. Coleman, MD, MPH, Ernest E. Moore, MD, FACS, Marguerite R. Kelher, MS, Mitchell J. Cohen, MD, FACS, Arsen Ghasabyan, MPH, James G. Chandler, MD, FACS, Jason M. Samuels, MD, Kenneth L. Jones, PhD, and Christopher C. Silliman, MD, PhD. *University of Colorado-Denver, Aurora, CO, Denver Health Medical Center, Denver, CO*

Valproic Acid Attenuates Kidney Injury in Swine Models of Polytrauma and Hemorrhagic Shock

Ben E. Biesterveld, MD, Ali Siddiqui, Aaron M. Williams, MD, Nathan J. Graham, Isabel Dennahy, MD, Rachel L. O'Connell, Umar F. Bhatti, MD, and Hasan B. Alam, MD, FACS. *University of Michigan, Ann Arbor, MI*

Preservation of Cardiac Function after Severe Burn Injury via Inhibition of Mitochondrial Oxidative Stress Pathways

Claire Cummins, MD, Xiaofu Wang, Jake J. Wen, PhD, and Ravi Radhakrishnan, MD, FACS. *University of Texas Medical Branch, Galveston, TX*

Alterations in von Willebrand Factor and ADAMTS 13 Lead to Thrombosis and Organ Injury in a Murine Trauma-Hemorrhage-Resuscitation Model

Robert T. Russell, MD, MPH, FACS, Lan He, MD, PhD, Di Zhang, MD, Cilina Evans, RN, Wenjing Cao, MD, PhD, Nicole K. Kocher, X. L. Zheng, MD, PhD, and Jean F. Pittet, MD. *University of Alabama at Birmingham, Birmingham, AL*

Humanin Improves Lung Inflammation during Hemorrhagic Shock

Monica L. Wagner, MD, Giovanna Piraino, PhD, Vivian Wolfe, Al-Faraaz Kassam, MD, Patrick Lahni, and Basilia Zingarelli, MD, PhD. *University of Cincinnati, Cincinnati, OH, Cincinnati Children's Hospital Medical Center, Cincinnati, OH*

Investigating the Role of Sirt3 in Oxygen Metabolism during Sepsis

Paul Botolin and Carrie A. Sims, MD, PhD, FACS. *University of Pennsylvania, Philadelphia, PA*

Use of Ketamine for Moderate and Deep Sedation in Pediatric Burn Patients

Thomas Q. Xu, MD, Shooka Esmaeeli, MD, Kristina Z. Kramer, MD, Aaron L. Wiegmann, MD, Emily Koeck, MD, Maxine S. Garcia, Jenny Tsai, MD, Faran Bokhari, MD, FACS, Paul N. Severin, MD, and Stathis Poulakidas, MD, FACS. *Rush University Medical Center, Chicago, IL, John H. Stroger, Jr. Hospital of Cook County, Chicago, IL, University of Illinois College of Medicine, Chicago, IL*

Severely Injured Trauma Patients with High Circulating IL-15 Levels Display Worse Outcomes and Distinct Inflammatory Profiles, Suggesting a Role for Natural Killer (NK) Cell Activation

Ashley J. Lamparello, MD, Ruben Zamora, PhD, Rami A. Namas, MD, Yoram Vodovotz, PhD, and Timothy R. Billiar, MD, FACS. *University of Pittsburgh, Pittsburgh, PA*

Valproic Acid Treatment Modulates the Inflammatory and Coagulation Proteome Following Traumatic Brain Injury and Hemorrhagic Shock

Umar F. Bhatti, MD, Aaron M. Williams, MD, Vahagn C. Nikolian, MD, Isabel S. Dennahy, MD, Michael Weykamp, MD, Patrick E. Georgoff, MD, Ben E. Biesterveld, MD, Rebecca Tagett, MS, PhD, Yongqing Li, MD, PhD, and Hasan B. Alam, MD, FACS. *University of Michigan, Ann Arbor, MI*

Selective Beta 2, 3 Blockade Improves Iron Regulation Following Severe Traumatic Injury

Elizabeth Miller, MD, Kolenkode Kannan, PhD, Camille G. Apple, MD, Philip A. Efron, MD, FACS, and Alicia M. Mohr, MD, FACS. *University of Florida, Gainesville, FL*

SF314 | 12:45-2:15 pm Bariatric/Foregut IV

LOCATION: MN 20

TRACK(S): BTR, GEN

MODERATORS:

Dan E. Azagury, MD, *Stanford, CA*

Dana A. Telem, MD, MPH, FACS, *Ann Arbor, MI*

The Jejunum Is the Key Factor in Insulin Resistance

Lidia Castagneto Gisse, MD, James Rossario Casella Mariolo, MD, Angelo Sero, MD, Giovanni Casella, MD, PhD, Marco Castagneto, MD, FACS, Geltrude Mingrone, MD, PhD, and Pierluigi Marini, MD. *Sapienza University of Rome, Rome, Italy, San Camillo-Forlanini Hospital, Rome, Italy, Catholic University of Rome, Rome, Italy*

Bariatric Surgery Does Not Resolve Underlying Psychological/Behavioral Problems in Patients with Morbid Obesity: Analysis of 166,601 Patients

Melissa L. Gott, DO, Paul R. Osterdahl, Jr., DO, Casey Connors, MD, and Gus Slotman, MD, FACS, FCCM, FCCP, FASMBS. *Inspira Medical Center, Vineland, NJ*

Is the Use of Jejunostomy Tubes with Esophagectomy Associated with Increased Inpatient Health Care Utilization?

Richard Zheng, MD, Arturo J. Rios-Diaz, MD, Spencer Liem, Courtney L. Devin, MD, Nathaniel R. Evans, III, MD, FACS, Ernest L. Rosato, MD, FACS, Francesco Palazzo, MD, FACS, and Adam C. Berger, MD, FACS. *Thomas Jefferson University Hospital, Philadelphia, PA*

Gastroesophageal Reflux Disease Medication Cost Saving after Bariatric Surgery

Leonard K. Welsh, MD, Gerardo Davalos, MD, Ramon Diaz Jara, MD, Andres Narvaez Cordova, MD, Dana Portenier, MD, FACS, and A. Daniel Guerron, MD. *Duke University, Durham, NC*

Improvements in Ventricular Conduction after Reduction in Pericardial Fat Triggered by Rapid Weight Loss in Severely Obese Subjects Undergoing Bariatric Interventions

Mauricio Sarmiento Cobos, MD, Carlos E. Rivera, MD, Lisandro Montorfano, MD, Maria C. Fonseca, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS, and Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Barriers to Timely Completion of Bariatric Surgery after Initial Consultation

Nicholas Morin, DO, Derek Lim, DO, Shinban Liu, DO, Sandra Angelella, RDN, CDN, Katrina Bantis, Joanna Gho-brial, MS III, Leana Shugol, Aakaash Pillamarri, and George Ferzli, MD, FACS. *NYU Langone, Brooklyn, NY, New York Institute of Technology, College of Osteopathic Medicine, Old Westbury, NY, A.T. Still University School of Osteopathic Medicine, Kirksville, MO, New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY*

"Candycane" Roux Limb Syndrome after RYGB: Does Resection Improve the Symptoms of Nausea and Abdominal Pain?

Joel S. Frieder, MD, Abraham Betancourt, MD, Rene Aleman, MD, Maria C. Fonseca, MD, Camila Ortiz Gomez, MD, Felice De Stefano, MD, David Romero Funes, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS, and Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Weight Loss Comparison of an Intensive 16-Week Nutritional, Exercise, and Behavior Modification Program with or without the Swallowable Fluid-Filled Elipse Intra gastric Balloon

Yannis Raftopoulos, MD, FACS, Elana Davidson, PA-C, Karen Robert, OA, Kristen Chapin, PA-C, Lindsay Pasdera, RD, LDN, Marissa Chiapperino, MPH, RD, and Anastasios Tsechpenakis, MD, FACS. *Holyoke Medical Center, Holyoke, MA, Athens Euroclinic, Athens, Greece*

30-Day Outcomes of Bariatric Surgery among Patients with End-Stage Renal Disease

John R. Montgomery, MD, Seth A. Waits, MD, Justin B. Dimick, MD, FACS, and Dana A. Telem, MD, MHS, FACS. *University of Michigan, Ann Arbor, MI*

Metabolic and Bariatric Surgery in Patients with Solid Organ Transplantation: Safe to Proceed?

Alexander M. Fagenson, MD, Michael Mazzei, MD, Huaqing Zhao, PhD, Xiaoning Lu, MS, and Michael A. Edwards, MD, FACS, FASMBS. *Temple University Hospital, Philadelphia, PA, Lewis Katz School of Medicine at Temple University, Philadelphia, PA, Mayo Clinic, Jacksonville, FL*

SF315 | 12:45-2:15 pm

Global Surgery and Humanitarian Outreach II

LOCATION: MS 152

TRACK(S): INT, HUM

MODERATORS:

Kakra Hughes, MD, *Washington, DC*

Sudha P. Jayaraman, MD, FACS, *Richmond, VA*

Effect of Blood Banks Availability on Mortality Due to Shock after Trauma in a Middle-Income Country



Alejandro Munoz-Valencia, Francisco J. Bonilla-Escobar, MD, and Juan C. Puyana, MD, FACS. *National University of Colombia, Bogota, Colombia, University of Pittsburgh, Pittsburgh, PA*

High Sepsis-Related Mortality and Antimicrobial Resistance at a Referral Hospital in Malawi

Meghan Prin, MD, MS, Lauren Onofrey, MD, Laura N. Purcell, MD, and Anthony G. Charles, MBBS, FACS. *Baylor College of Medicine, Houston, TX, Columbia University Irving Medical Center, New York, NY, University of North Carolina, Chapel Hill, NC*

Where There Is No Orthopaedic Surgeon: A WhatsApp MHealth Platform to Support Fracture Management by Non-Specialists in South Africa

Ntambue J. Kauta, MBCHB, FCOth, Johann Groenewald, MBCHB, Delroy Arnolds, MBCHB, Benjamin Blankson, MBCHB, Abbas Omar, MBCHB, and Kathryn M. Chu, MD, FACS. *University of Cape Town, Cape Town, South Africa, Mitchells Plain Hospital, Mitchells Plain, South Africa, Mitchells Plain Hospital, Cape Town, South Africa*

Trends in Head Injury-Associated Mortality in Sub-Saharan Africa: Moving beyond Surgical Workforce

Jared R. Gallaher, MD, MPH, Avital Yohann, MD, Rebecca G. Maine, MD, MPH, and Anthony G. Charles, MD, MPH, FACS. *University of North Carolina, Chapel Hill, NC*

Encountering Surgical Cancers during Humanitarian Relief Missions: An Ethical Dilemma

Allison R. Reichl, Ryan J. Schutt, MD, John C. Walsh, MD, James M. Prieto, MD, FACS, Stephen W. Bickler, MD, FACS, and Romeo C. Ignacio, MD, FACS. *University of California San Diego, La Jolla, CA, Naval Medical Center, San Diego, CA, Rady Children's Hospital, San Diego, CA*

Disparities in Head and Neck Cancer: Comparing Macroeconomic Consequences across Low, Middle, and High Income Countries

Rolvix H. Patterson, III, Victoria Fischman, Isaac Wasserman, MPH, Jennifer Siu, MD, and Blake Alkire, MD, MPH. *Harvard Medical School, Boston, MA, Harvard T.H. Chan School of Public Health, Boston, MA, Tufts University School of Medicine, Boston, MA, Massachusetts Eye and Ear Infirmary, Boston, MA, Icahn School of Medicine at Mount Sinai, New York, NY, University of Toronto, Toronto, ON, Canada,*

Sex Differences in Domestic Violence in Sub-Saharan Africa

Laura N. Purcell, MD, Charles Mabedi, MBBS, Trista Reid, MD, Rebecca G. Maine, MD, MPH, and Anthony G. Charles, MBBS, FACS. *University of North Carolina, Chapel Hill, NC, Kamuzu Central Hospital, Lilongwe, Malawi*

Prevalence of Undiagnosed Diabetes and Prediabetes and the Association with Postoperative Hyperglycemia and Increased Health Care Costs

Laura K. Keeney, DO, MPH, Paddy Ssentongo, MD, MPH, Temitope E. Arkorful, MD, Anna E. Ssentongo, MPH, Sarah Peiffer, Godslove K. Bonnah, MD, Eustina Kwon, MPH, David I. Soybel, MD, FACS, Forster Amponsah, MD, and John S. Oh, MD, FACS. *Penn State Health Milton S. Hershey Medical Center, Hershey, PA, Penn State University, Hershey, PA, Eastern Regional Hospital, Koforidua, Ghana, Penn State College of Medicine, Hershey, PA*

Assessment of Pakistan's Surgical System by Tracking The Lancet Global Surgery Indicators toward an NSOAP

Irum Fatima, MBBS, Haitham Shoman, MD, DIC, MPH, Alexander Peters, MD, MPH, Dominique Vervoort, MD, Lubna Samad, MBBS, MRCS, FCSP, and John G. Meara, MD, DMD, MBA, FACS. *Indus Health Network, Karachi, Pakistan, Harvard Medical School, Boston, MA*

Aiming for Short and Effective: Utilizing Operative Data to Recommend Hospital Policy Changes in an LMIC

Erica Ludi, MD, Rodolfo E. Quiros, MD, Oscar Morales, MD, Mamta Swaroop, MD, FACS, and Jorge E. Foianini, MD, FACS. *Northwestern University, Chicago, IL, Clinica Foianini, Santa Cruz, Bolivia*

Mobile Technology for Residency Training in a Low Resource Setting-A Pilot Study

Sarah Ullrich, MD, Mohamad Zanbrakji, MD, Martha Namugga, MD, Doruk E. Ozgediz, MD, FACS, and Kevin Pei, MD, FACS. *Yale University, New Haven, CT, Stamford Medical Center, Stamford, CT, Makerere University, Kampala, Uganda, Texas Tech University, Lubbock, TX*

Partnering with Community Health Workers in Kisumu, Kenya to Expand Access to Pediatric Surgical Care

Neema C. Kaseje, MD, Violet M. Gisore, Faith J. Magut, and Vincent O. Were, PhDc. *Surgical Systems Research Group, Kisumu, Kenya*

Indications for Limb Amputation in Humanitarian Surgery: A Descriptive Study from Médecins Sans Frontières

Priyanka Naidu, MBChB, Miguel Antonio Trelles Centurion, Lynette Dominguez, MD, and Kathryn M. Chu, MD, FACS. *University of Cape Town, Cape Town, South Africa, Médecins Sans Frontières, Brussels, Belgium*

SF316 | 12:45-2:15 pm Hepatobiliary and Pancreas V

LOCATION: MS 151

TRACK(S): GEN

MODERATORS:

Oliver Eng, MD, *Chicago, IL*

Maria C. Russell, MD, FACS, *Atlanta, GA*

Minimally Invasive Surgery for Biliary Tract Cancer: Postoperative and Long-Term Outcomes

Ashtyn B. Barrientes, MS, Felipe A. B. Maegawa, MD, MS, FACS, Brittany Harper, MS, Brian R. Davis, MD, FACS, Alan H. Tyroch, MD, FACS, and Ioannis Konstantinidis, MD. *Southern Arizona VA Health Care System, Tucson, AZ, Paul L. Foster School of Medicine Texas Tech University Health Sciences Center, El Paso, TX*

Enhancing Anatomical Parenchymal-Sparing Liver Resections Using the Glissonian Approach and Indocyanine Green Dye Negative Staining with Full Laparoscopic Technique: Proof of Concept and Results
Giammauro Berardi, MD and Go Wakabayashi, MD, FACS. *Ageo Central General Hospital, Tokyo, Japan*

Long-Term Sequelae of Necrotizing Pancreatitis: A Life-Long Disease

Thomas K. Maatman, MD, Alexandra M. Roch, MD, Eugene P. Ceppa, MD, FACS, Michael G. House, MD, FACS, Attila Nakeeb, MD, FACS, C. Max Schmidt, MD, PhD, MBA, FACS, and Nicholas J. Zyromski, MD, FACS. *Indiana University School of Medicine, Indianapolis, IN*

Differences between Pancreatic Islet Cell Autograft and Allograft Transplants: A 15-Year Experience Involving 189 Patients from National Inpatient Sample (NIS) Database (2001-2015)

Guillermo Medrano del Rosal, MD and Krishnaraj Mahendraraj, MD. *Lincoln Medical and Mental Health Center, New York, NY*

Erector Spinae Fascial Plane Blocks with Liposomal Bupivacaine Improve Enhanced Recovery Parameters Compared to Thoracic Epidural Anesthesia

Alissa Greenbaum, MD, Nichole Bordegaray, MD, and Itzhak Nir, MD, FACS. *University of New Mexico Health Sciences Center, Albuquerque, NM*

Operative Complications and Economic Outcomes in Acute Cholecystitis for Same-Admission vs. Delayed Cholecystectomy

Christopher P. Rice, Celia Chao, MD, FACS, Krishnamurthy Vaishnavi, Daniel Jupiter, PhD, August Schaeffer, Lance W. Griffin, MD, FACS, Whitney R. Jensen, MD, and William J. Mileski, MD, FACS. *University of Texas Medical Branch, Galveston, TX*

Role of Conservative Treatment in the Management of Common Bile Duct Stones

Ahmed Elgeidie, MD. *Gastrointestinal Surgery Center, Mansoura, Egypt*

Knowledge of Culture of Safety in Cholecystectomy (COSIC) among Surgical Residents in India: Do We Train Them Well for Future Practice?

Vishal Gupta, MBBS, MS, MCh, Vinay K. Kapoor, MBBS, MS, DNBE, FACS, FRCS, FACG, FICS, FAMS, FAIS, Pawanindra Lal, MBBS, FACS, FIMSA, FCLS, FRCSEd, FRCSEd, FRCSEd, Anubhav Vindal, MBBS, MS, DNB, MNAMS, MRCS Ed, FACS, FAIS, FCLS, and Rajdeep Singh, MS, DNB, MNAMS, FMAS, FCLS. *King George's Medical University, Lucknow, India, Sanjay Gandhi Post-Graduate Institute of Medical Sciences, Lucknow, India, Maulana Azad Medical College (University of Delhi) & Associated Lok Nayak Hospital, New Delhi, India*

Operative Grading System for Cholecystitis Severity in Laparoscopic Cholecystectomy-A Single-Center Prospective Validation Study

Kathleen S. Chua, MD, Sammy C. Cunanan, MD, FACS, and Maila Rose L. Torillo, MD, FACS. *Chinese General Hospital and Medical Center, Metro Manila, Philippines*

Population-Based Examination of the Utilization and Impact of Adjuvant Chemotherapy in Resectable Gallbladder Cancer

Derek T. Kirby, DO, G. Travis Clifton, MD, FACS, Timothy J. Vreeland, MD, FACS, and Daniel W. Nelson, DO. *William Beaumont Army Medical Center, El Paso, TX, San Antonio Military Medical Center, Fort Sam Houston, TX, University of Texas MD Anderson Cancer Center, Houston, TX*

SF317 | 12:45-2:15 pm
Surgical Education VI

LOCATION: MN 23

TRACK(S): EDU

MODERATORS:

Kareem R. AbdelFattah, MD, FACS, *Dallas, TX*Jonathan M. Saxe, MD, FACS, *Indianapolis, IN***A National Assessment of Workplace Bullying among Surgeons in the U.S.**

Kevin Pei, MD, FACS, Mary Klingensmith, MD, FACS, Adnan Alseidi, MD, FACS, and Amalia Cochran, MD, FACS. *Texas Tech University Health Sciences Center, Lubbock, TX, Washington University in St. Louis, School of Medicine, St. Louis, MO, Virginia Mason, Seattle, WA, The Ohio State University, Columbus, OH*

Social Media Use during the 2018 Clinical Congress of the American College of Surgeons

Stephen Sharp, MD, PhD(Hon), Paschalia Mountziaris, MD, PhD, Heather Logghe, MD, Douglas G. MacKenzie, MD, David Ong, MD, PharmD, MSc, PhD, Paula Ferrada, MD, FACS, and Steven D. Wexner, MD, PhD(Hon), FACS, FRCSEng, FRCSEd, FRCSEd(Hon), FRCSEd(Hon). *Cleveland Clinic Florida, Weston, FL, Albany Medical Center, Albany, NY, Thomas Jefferson University, Philadelphia, PA, NHS Lothian, Edinburgh, United Kingdom, Franciscus Gasthuis & Vlietland, Rotterdam, Netherlands, Virginia Commonwealth University, Richmond, VA*

How Does a New General Surgery Residency Program Impact Hospitals?

Udai S. Sibbia, MD, MBA, Justin J. Turcotte, MBA, John R. Klune, MD, MBA, and Cristina B. Feather, MD, MHS. *Anne Arundel Medical Center, Annapolis, MD*

The Effect of Education on Prevalence of Secondary Traumatic Stress in Surgical Trainees

Laura Greco, MD and Abhijit Pathak, MD, FACS. *Lewis Katz School of Medicine at Temple University, Philadelphia, PA*

Implementation of a Resident-Led Mindfulness Course during the Surgical Clerkship

Rebecca L. Williams, MD, PhD, Elizabeth Lawrence, MD, FACP, Jasmeet S. Paul, MD, FACS, and Ming-Li Wang, MD. *University of New Mexico Hospital, Albuquerque, NM*

Correlation of Burnout and Depression in General Surgery Residents Using the Primary Care Evaluation of Mental Disorders (PRIME-MD) Patient Questionnaire

Ryan J. Hendrix, MD, Jorind Beqari, Emily E. Mackey, MD, Jennifer S. Davids, MD, FACS, FASCRS, Ulises Torres, MD, FACS, Anne C. Larkin, MD, FACS, and Jennifer LaFemina, MD, FACS. *University of Massachusetts Medical School, Worcester, MA*

Is the "July Effect" Real?: An Appraisal of Teaching Surgical Services at an Academic Medical Center

Shakti Nochur, MD and Dmitry Nepomnayshy, MD, MSc, FACS. *Lahey Hospital and Medical Center, Burlington, MA*

Are Surgical Resident Trainees More Likely to Receive a Patient Safety Report?

Matthew C. Bobel, MD, Sarah Kemp, Carolina F. Branson, PhD, Mira A. Jurich, MA, Robert E. Bulander, Jr., MD, and Melissa E. Brunsvold, MD, FACS. *University of Minnesota, Minneapolis, MN, MHealth Fairview, Minneapolis, MN*

Identification of Specific Educational Targets to Improve the Student Surgical Clerkship Experience

Sophia McKinley, MD, EdM, Douglas J. Cassidy, MD, Arian Mansur, AB, Noelle Saillant, MD, Arundhati Ghosh, MBBS, FACS, Amy R. Evenson, MD, FACS, Reza Askari, MD, FACS, Alex B. Haynes, MD, FACS, Emil Petrusa, PhD, and Roy Phitayakorn, MD, MHPE (MEd), FACS. *Massachusetts General Hospital, Boston, MA, Cambridge Health Alliance, Cambridge, MA, Beth Israel Deaconess Medical Center, Boston, MA, Brigham and Women's Hospital, Boston, MA*

Benefit of Peer-to-Peer Instruction in Surgery Clerkship Orientation

Lindsey M. LePoidevin, Cyrus V. Etebari, Tyler Kennedy, Joe Heiler, MS, Robert Jamplis, MBA, Sheridan James, Monica Maillet, PhD, Rebecca K. Viscusi, MD, FACS, Marlon Guerrero, MD, FACS, and Marion C. Henry, MD, MPH, FACS. *University of Arizona College of Medicine, Tucson, AZ*

SF318 | 12:45-2:15 pm
Vascular Surgery III

LOCATION: MN 22

TRACK(S): VAS

MODERATORS:

Karen J. Ho, MD, FACS, *Chicago, IL*Edith Tzeng, MD, FACS, *Pittsburgh, PA***Impact of Dual Antiplatelet Therapy after Lower Extremity Revascularization for Chronic Limb-Threatening Ischemia (CLTI)**

Bala Ramanan, MBBS, FACS, Haekyung Jeon-Slaughter, PhD, Xiaofei Chen, MS, Vikram S. Kashyap, MD, FACS, Melissa L. Kirkwood, MD, FACS, Carlos H. Timaran, MD, FACS, John G. Modrall, MD, and Shirling Tsai, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX, University Hospitals Cleveland Medical Center, Cleveland, OH*

Evaluating the Survival Benefit of Statin Use on Aortic Aneurysm Patients with and without Other Atherosclerotic Indications for Statin Treatment

Johnston L. Moore, Zdenek Novak, MD, PhD, Graeme E. McFarland, MD, Mark A. Patterson, MD, FACS, Salvatore T. Scali, MD, FACS, Marc A. Passman, MD, FACS, Emily L. Spangler, MD, FACS, Benjamin J. Pearce, MD, FACS, and Adam W. Beck, MD, FACS. *University of Alabama at Birmingham School of Medicine, Birmingham, AL, University of Florida, Gainesville, FL*

Effect of Preoperative AAA Size on Mid-Term and Long-Term Mortality after EVAR

Sooyeon Kim, MD, Haekyung Jeon-Slaughter, PhD, Xiaofei Chen, MS, Bala Ramanan, MBBS, FACS, Melissa L. Kirkwood, MD, FACS, Carlos H. Timaran, MD, FACS, Greg Modrall, MD, and Shirling Tsai, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Induced Pluripotent Stem Cell-Derived Smooth Muscle Cells Are Superior Than Mesenchymal Stem Cells at Accelerating Diabetic Wound Healing

Jolanta R. Gorecka, MD, Arash Fereydooni, MS, Jiesi Luo, PhD, Biraja Dash, PhD, Toshihiko Isaji, MD, Luis Gonzalez, MS, Shin Rong Lee, MD, Yibing Qyang, PhD, Henry Hsia, MD, FACS, and Alan Dardik, MD, PhD, FACS. *Yale University, New Haven, CT, Yale School of Medicine, Hamden, CT*

Patients with Depression Are Less Likely to Go Home after Critical Limb Revascularization

Joel L. Ramirez, Greg J. Zahner, MSc, Shipra Arya, MD, SM, FACS, S. Marlene Grenon, MD, MMSc, MBA, Warren J. Gasper, MD, Julie A. Sosa, MD, MA, FACS, Michael S. Conte, MD, FACS, and James C. Iannuzzi, MD. *University of California, San Francisco, San Francisco, CA, Stanford School of Medicine, Stanford, CA*

Effect of Fluoroquinolones on Short-Term Risk of Aortic Aneurysm Development

Emily R. Newton, MD, Paula D. Strassle, PhD, and Melina R. Kibbe, MD, FACS, FAHA. *University of North Carolina, Chapel Hill, NC*

Fabrication and In Vitro Characteristics of Completely Native Polymer, Cellularized Arterial Substitute

Daniel J. Wong, MD, David Miranda-Nieves, Shashi Malladi, MS, Constantine Tarabanis, Carolyn Haller, PhD, Axel Guenther, PhD, and Elliot Chaikof, MD, PhD, FACS. *Beth Israel Deaconess Medical Center, Boston, MA, University of Toronto, Toronto, ON, Canada, University of Toronto, Toronto, ON, Canada*

A Novel Preoperative Risk Score to Identify Patients at High Risk for Non-Home Discharge after Elective Thoracic Endovascular Aortic Aneurysm Repair (TEVAR)

Joel L. Ramirez, Devin S. Zarkowsky, MD, Laura T. Boitano, MD, Mark F. Conrad, MD, FACS, Shipra Arya, MD, SM, FACS, Warren J. Gasper, MD, Michael S. Conte, MD, FACS, and James C. Iannuzzi, MD. *University of California, San Francisco, San Francisco, CA, Massachusetts General Hospital, Boston, MA, Stanford School of Medicine, Stanford, CA*

Uncontrolled Diabetes Is Associated with Significant Increase in Limb Amputation in the 30-Day Postoperative Period Following Lower Extremity Bypass

Daniel G. Kindell, MD, Corey A. Kalbaugh, PhD, MS, and Katharine L. McGinagle, MD, MPH, FACS, FSVS. *University of North Carolina, Chapel Hill, NC*

Communicating through Technology for Patients with Critical Limb Ischemia

Misty D. Humphries, MD, FACS, Maria Ceja-Rodriguez, Jason Hasegawa, and James Marcin, MD, MPH. *University of California, Davis, Sacramento, CA*

Aorto-Bifemoral Bypass Is Not Associated with Higher Mortality or Adverse Cardiac Events Than Axillary-Bifemoral Bypass in Frail Patients

Brandon N. Glousman, Robyn A. Macsata, MD, FACS, Salim Lala, MD, Kyongjune B. Lee, MD, Richard L. Amdur, PhD, Andrew D. Sparks, Anton N. Sidawy, MD, MPH, FACS, and Bao-Ngoc H. Nguyen, MD, FACS. *George Washington University, Washington, DC*

SF319 | 2:30-4:00 pm General Surgery VIII

LOCATION: MN 22

TRACK(S): GEN

MODERATORS:

Lucy Z. Kornblith, MD, *San Francisco, CA*

Matthew E. Kutcher, MD, *Jackson, MS*

Modulation of Ischemia Reperfusion Injury (IRI) in Renal Transplantation Using Estrogen and Selective Estrogen Receptor Modulators (SERMs)

Paul J. Hernandez, MD, Seth J. Concors, MD, David Aufhauser, Jr., MD, Douglas Murken, MD, Lauren N. Krumeich, MD, Zhonglin Wang, MD, Guanghui Ge, MD, Wayne Hancock, MBBS, PhD, FRCPA, and Matthew H. Levine, MD, PhD, FACS. *Hospital of the University of Pennsylvania, Philadelphia, PA, Children's Hospital of Philadelphia, Philadelphia, PA*

Risk Factors for Surgical Site Infection in Ventral Hernia Repair—A 2897 Patient Single Center Study

Benjamin A. Farber, MD, Devin H. Midura, MD, Patricia Friedmann, MS, Flavio Malcher, MD, and Prashanth V. Sreeramoju, MBBS, FACS. *Albert Einstein College of Medicine/Montefiore Medical Center, Bronx, NY, Albert Einstein College of Medicine, Bronx, NY*

A Novel Magnetic Compression Technique for Roux-en-Y Gastric Bypass in Rats

Dan Ye, MD, Bo Deng, MD, Yi Lv, MD, and Xiaopeng Yan, MD, PhD. *Qide College, Xi'an Jiaotong University, Xi'an, China, Zonglian College, Xi'an Jiaotong University, Xi'an, China, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China*

Outcomes of Paraesophageal Hernia Repair: Analysis of the Veterans Affairs Surgical Quality Improvement Program Database

Sheena W. Chen, MD, Kyongjune B. Lee, MD, Jarvis Walters, DO, and Fredrick J. Brody, MD, MBA, FACS. *Washington DC VA Medical Center, Washington, DC*

Cannabis Abuse or Dependence and Postoperative Outcomes after Cholecystectomy and Appendectomy: A Propensity-Score-Matched Analysis

Spencer R. Anderson, MD, Natalie J. Bauer, MD, Major Andrew Galusha, MD, Nickolay P. Markov, MD, Sunishka M. Wimalawansa, MD, MBA, and Justin P. Fox, MD, MHS. *Wright State University, Boonshoft School of Medicine, Dayton, OH, Surgical Operations Squadron, 88th Medical Group, Wright Patterson Medical Center, Wright Patterson Air Force Base, OH*

Objective Assessment of Surgical Technology Using the Operating Room Black Box® Platform: Impact of Three- vs. Two-Dimensional Laparoscopic Imaging on Surgical Performance and Safety (NCT03252470)

Mauricio Gabrielli, MD, MSc, James J. Jung, MD, Tomas Saun, MD, and Teodor P. Grantcharov, MD, PhD, FACS. *University of Toronto, Toronto, ON, Canada*

Assessing Quality of Real-World Data Supplied by an Automated Surgical Data Pipeline

Kristin Corey, Joshua Helmkamp, Allan D. Kirk, MD, FACS, Suresh Balu, MBA, David Thompson, MD, Leila Mureebe, MD, MPH, FACS, Joshua Watson, MD, Keith Marsolo, PhD, Lesley Curtis, PhD, and Mark Sendak, MPP, MD. *Duke University, Durham, NC*

Proteomic Profile after Mesh Implantation: A Comparative Study between Incisional and Inguinal Hernia Patients

Marcello Donati, MD, PhD, FACS, Michela Zanatta, MD, Giovanna Brancato, MD, PhD, Guido Basile, MD, PhD, Michele Milazzo, MD, Giuseppa La Camera, MD, PhD, Agata Zappalà, MD, PhD, Giovanni Li Volti, MD, PhD, Salvatore Foti, MD, PhD, and Francesco Basile, MD, PhD, FACS. *University of Catania, Catania, Italy*

Characterizing Clinician Variation in Surgical Approach to Abdominal Wall Hernias: A Qualitative Approach

Claire Seven. *University of Michigan, Ann Arbor, MI*

SP320 | 2:30-4:00 pm

e-Posters VI

LOCATION: MS 201-203

TRACK(S): BTR, CTS, EDU, GEN, NEU, OBG, OPHTHO, ORT, OTO, TRA, URO

e-Posters are listed in the Scientific Forum e-Poster section on page 170.

SF321 | 2:30-4:00 pm

Global Surgery and Humanitarian Outreach III

LOCATION: MN 20

TRACK(S): INT, HUM

MODERATORS:

Anthony G. Charles, MD, MPH, FACS, *Chapel Hill, NC*
Dinesh Vyas, MBBS, FACS, *French Camp, CA*

Strengthening Mobile Surgery Safety Standards: An Analysis of Cinterandes' Safe Surgery Strategies and Proposal of International Mobile Surgery Safety Standards

Edgar B. Rodas, MD, FACS, Cybil S. Stingl, Joanna Choi, and Megan Wojick. *Virginia Commonwealth University School of Medicine, Richmond, VA*

Do Delays in Surgical Care Impact Outcomes in Patients with Alimentary Tract Perforation? View from a Low-Middle Income Country

Muhammad Sohaib Khan, MBBS, Shayan Ahmed, MBBS, Muhammad H. Zafar, MBBS, Taha A. Zaka-ur-Rehman, MBBS, and Amir H. Shariff, MBBS, FACS. *Aga Khan University, Karachi, Pakistan*

An Estimation of Surgical Care Needs in Low-Resource Countries: The Prevalence of Surgically Treatable Conditions and Preventable Deaths

Clifton Ewbank, MD, Adam L. Kushner, MD, MPH, FACS, Shailvi Gupta, MD, MPH, and Rebecca C. Gologorsky, MD. *University of California, San Francisco-East Bay, Oakland, CA, Surgeons Overseas (SOS), New York, NY, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, MD*

Operative Burden in Conflict vs. Non-Conflict Settings: The Experience of Médecins Sans Frontières

Arifeen S. Rahman, Tiffany E. Chao, MD, FACS, Miguel Antonio Trelles Centurion, MD, Lynette Dominguez, MD, and Kathryn M. Chu, MD, FACS. *Stanford University School of Medicine, Stanford, CA, Santa Clara Valley Medical Center, San Jose, CA, Médecins Sans Frontières, Brussels, Belgium, University of Cape Town, Cape Town, South Africa*

Access to Pediatric Surgical Care and Distribution of Operations in Regional and National Referral Hospitals in Uganda

David F. Grabski, MD, Nasser Kakembo, MBBS, Mary Margaret Ajiko, MMed, MBChB, Sarah Ullrich, MD, and Doruk E. Ozgediz, MD, FACS. *University of Virginia, Charlottesville, VA, Mulago National Referral Hospital, Kampala, Uganda, Soroti Regional Referral Hospital, Soroti, Uganda, Yale University, New Haven, CT, Yale School of Medicine, New Haven, CT*

Cargo of Hope: A Trainee Initiative to Change Surgical Care Delivery through Local and International Collaborations

Katayoun S. Madani, MS, Amanda E. Hughes, Daniel H. Tadros, Ruby N. Vassar, Jana E. DeJesus, Belal F. Nouredine, Jeramie P. Kerr-Romano, Gabriel K. Lavespere, and Joshua P. Carlson, MD, MPH. *International Student Surgical Network, Sint-Truiden, Belgium, Arrowhead Regional Hospital, Colton, CA, Hackensack University Medical Center, Hackensack, NJ, Kings County Hospital, Brooklyn, NY, Morristown Medical Center, Morristown, NJ, Newark Beth Israel Medical Center and Children's Hospital of New Jersey, Newark, NJ*

Blood Unit Availability and Its Association to Fatal Hemorrhagic Shock in Trauma Patients in a Middle-Income Country

Alexandra A. Sansosti, Alejandro Munoz-Valencia, Francisco J. Bonilla-Escobar, MD, Nakul Raykar, MD, MPH, and Juan C. Puyana, MD, FACS. *University of Pittsburgh, Pittsburgh, PA*

Barriers to Evidence-Based Colorectal Cancer Care in Ukraine

Pamela Lu, MD, Galyna Shabat, MD, PhD, Volodymyr I. Pylypchuk, MD, PhD, Volodymyr Galyuk, MD, PhD, Solomiia Semeniv, MD, Adam C. Fields, MD, Joel E. Goldberg, MD, FACS, Jennifer L. Irani, MD, FACS, Ronald Bleday, MD, FACS, and Nelya Melnitchouk, MD, MSc, FACS. *Brigham and Women's Hospital, Boston, MA, Ivano-Frankivsk Regional Hospital, Ivano-Frankivsk National Medical University, Ivano-Frankivsk, Ukraine, National Children Specialized Hospital "Ohmatdyt", Kyiv, Ukraine*

A Multi-Institutional Approach to Establishing a Sustainable Academic Global Surgery Program

Al-Faraaz Kassam, MD, Charles Park, MD, Douglas Lungu, MBBS, Paul E. Wise, MD, FACS, Joshua M. V. Mammen, MD, Matthew V. Benms, MD, FACS, Jeffrey J. Sussman, MD, FACS, and Jocelyn M. Logan, MD, FACS. *University of Cincinnati, Cincinnati, OH, Mzuzu Central Hospital, Mzuzu, Malawi, Washington University in St. Louis, St. Louis, MO, University of Kansas, Kansas City, KS, University of Louisville, Louisville, KY*

North American Pediatric Surgery Fellows' Preparedness for Humanitarian Surgery

Michael D. Traynor, Jr., MD, Miguel A. Trelles Centurion, MD, Matthew C. Hernandez, MD, Lynette Dominguez, MD, Adam L. Kushner, MD, MPH, FACS, Mariela Rivera, MD, Martin D. Zielinski, MD, FACS, and Christopher R. Moir, MD, FACS. *Mayo School of Graduate Medical Education, Rochester, MN, Médecins Sans Frontières, Bruxelles, Belgium, Society of International Humanitarian Surgeons/ Surgeons Overseas, New York, NY, Mayo Clinic, Rochester, MN*

Survey of Surgical Capacity of Four States in Nigeria

Erica N. Tutuwan, Jamie E. Anderson, MD, MPH, Diana L. Farmer, MD, FACS, FRCS, and Emmanuel A. Ameh, MBBS, FWACS, FACS. *UC Davis Medical Center, Sacramento, CA, National Hospital Abuja, Abuja, Nigeria*

Improvement of WHO Surgical Safety Checklist Use in Emergency Operations in a Low-HDI Setting

Nichole E. Starr, MD, Natnael Gebeyehu, MD, Assefa Tesfaye, MD, Senait B. Alemu, MPH, Tadesse Habteyohannes, MD, Ebisa Wayessa, MD, Jared A. Forrester, MD, Tihitena N. Mammo, MD, and Thomas G. Weiser, MD, MPH, FACS. *University of California, San Francisco, San Francisco, CA, St. Peters Specialized Hospital, Addis Ababa, Ethiopia, Lifebox Foundation, Boston, MA, Menelik II Referral Hospital, Addis Ababa, Ethiopia, Wellega University, Nekempte, Ethiopia, Stanford University, Stanford, CA, Black Lion Hospital, Addis Ababa, Ethiopia*

A National Assessment of Surgical Capacity in Level 4 Hospitals in Kenya

Jaymie Claire A. Henry, MD, MHS. *Florida Atlantic University, Boca Raton, FL*

SF322 | 2:30-4:00 pm Health Services Research VI

LOCATION: MS 154

TRACK(S): HP

MODERATORS:

Shipra Arya, MD, FACS, Stanford, CA

Oluwadamilola M. Fayanju, MD, Durham, NC

Overcoming Disparities: Multidisciplinary Breast Cancer Care at a Public Safety-Net Hospital

Kristin N. Kelly, MD, MPH, Emily Ryon, MD, Ahkeel Allen, MD, Dido Franceschi, MD, FACS, Mecker Moller, MD, FACS, Eli Avisar, MD, FACS, Erin N. Kobetz, PhD, MPH, Nipun Merchant, MD, FACS, Susan B. Kesmodel, MD, FACS, and Neha Goel, MD. *University of Miami, Miami, FL*

Development and Evaluation of a Novel Instrument to Measure Severity of Intraoperative Events Using Video Data

James J. Jung, MD and Teodor P. Grantcharov, MD, FACS. *University of Toronto, Toronto, ON, Canada*

A Platform Design Framework for a Crowdsourced National Opioid Consumption Collaborative

Kortney Robinson, MD and Gabriel Brat, MD, MPH, FACS. *Beth Israel Deaconess Medical Center, Boston, MA, Harvard Medical School, Boston, MA*

Stark Differences between Surgical and Medical Patients in Risk Factors for Discharging against Medical Advice

Trevor C. Hunt, Lauren E. Geisel, William Irish, PhD, and Janet E. (Betsy) Tuttle-Newhall, MD, FACS. *The Brody School of Medicine, Greenville, NC*

Unmet General and Orthopaedic Surgical Need in a West-African Community: A Survey of 1,993 Adults

Olufemi B. Bankole, MBChB, FACS, Eytayo Alabi, FWACS, Ayo Makanjuola, MBBS, Ewen Harrison, FRCS, Adesoji Ademuyiwa, FWACS, FACS, Tinuola O. Odugbemi, FWACP, Olumide A. Elebute, FACS, and Felix Alakaloko, FWACS. *College of Medicine, University of Lagos, Lagos, Nigeria, Lagos University Teaching Hospital, Lagos, Nigeria, University of Edinburgh, Edinburgh, United Kingdom*

Factors Associated with Switching from Low- to Super-Utilization in the Surgical Population: A Study in Medicare Expenditure

J. Madison Hyer, MS, Diamantis I. Tsimigras, MD, Kota Sahara, MD, Aslam Ejaz, MD, Faiz Gani, MD, Susan White, PhD, RHIA, CHDA, and Timothy M. Pawlik, MD, MPH, PhD, FACS. *The Ohio State University Wexner Medical Center, Columbus, OH, The Ohio State University, Baltimore, MD, Johns Hopkins University, Baltimore, MD, The Ohio State University, Columbus, OH*

Understanding Barriers to Surgical Cancer Care in the Southern Community Cohort Study

Diane N. Haddad, MD, Valerie F. Welty, Jeffrey D. Blume, PhD, Alexander T. Hawkins, MD, MPH, Raeshell S. Sweeting, MD, Eric L. Grogan, MD, MPH, FACS, and Melinda C. Aldrich, PhD, MPH. *Vanderbilt University Medical Center, Nashville, TN, Vanderbilt University, Nashville, TN*

The Changing Face of Academic Surgery: Surgeon-Scientists with R01 Funding Are Disproportionally Female

Elizabeth D. Krebs, MD, MSc, J. Hunter Mehaffey, MD, MSc, Adishesh K. Narahari, MS, Ian O. Cook Armstrong, Anirudha D. Chandrabhatla, Gilbert R. Upchurch, Jr., MD, FACS, and Shayna L. Showalter, MD, FACS. *University of Virginia, Charlottesville, VA, University of Virginia, Gainesville, FL*

Association of Marital Status with Health Care Utilization after Complex Surgical Procedures

Brian T. Bucher, MD, MS, FACS, David E. Skarda, MD, FACS, Jeffrey P. Ferraro, PhD, Samuel R. G. Finlayson, MD, MPH, FACS, Wendy W. Chapman, PhD, and Adi V. Gundlapalli, MD, PhD. *University of Utah School of Medicine, Salt Lake City, UT, Intermountain Healthcare, Murray, UT*

Disparities in Diagnosis and Treatment of Esophageal Cancer in the U.S.

Katherine Wu, Stephanie G. Worrell, MD, Katelynn Bachman, MD, Vanessa P. Ho, MD, FACS, Yaron Perry, MD, FACS, Philip A. Linden, MD, FACS, and Christopher Towe, MD. *University Hospitals Cleveland Medical Center, Cleveland, OH, Cleveland Medical Center, Cleveland, OH, Metro-Health Medical Center, Cleveland, OH*

Impact of Distraction on Intraoperative Events during Minimally Invasive Surgery

James J. Jung, MD and Teodor P. Grantcharov, MD, FACS.
University of Toronto, Toronto, ON, Canada

Race and Socioeconomic Status Limit Choice of Hospital among Colorectal Surgery Patients in New York City

Numa P. Perez, MD, David C. Chang, MD, MPH, MBA, PhD, Sahael M. Stapleton, MD, Zhi Ven Fong, MD, Robert N. Goldstone, MD, Michael T. Watkins, MD, FACS, Keith Lillemoe, MD, FACS, and Hiroko Kunitake, MD, FACS. *Massachusetts General Hospital, Boston, MA, Mount Sinai Hospital, New York, NY*

Trends in Surgically Related Postoperative Emergency Department Visits and Hospital Readmissions

Matthew J. Triano, MS, Eleanor Drew, MD, FACS, Munish Goyal, MD, FACEP, Cooper Ehlers, MS, Anthony J. Fiacco, Jason Chavez, Haijun Wang, PhD, and Shima Fitzgibbons, MD, MEd, FACS. *Georgetown University School of Medicine, Washington, DC, MedStar Health Research Institute, Hyattsville, MD*

Determining the Disparity Sensitivity of Surgical Metrics; Is a Literature-Based Disparity Sensitive Score in Agreement with Expert Determinations?

Elzerie de Jager, MBBS(Hon), Adele A. Levine, MPH, Chris Gibbons, PhD, Melinda A. Maggard Gibbons, MD, MSHS, FACS, Joel S. Weissman, PhD, Helen Burstin, MD, MPH, David B. Hoyt, MD, FACS, Adil H. Haider, MD, MPH, FACS, Andrew J. Schoenfeld, MD, MSc, and L.D. Britt, MD, MPH, DSc(Hon), FACS, FCCM, FRCSEng. *Brigham and Women's Hospital, Boston, MA, Patient-Reported Outcomes, Value & Experience (PROVE) Center, Brigham and Women's Hospital, Boston, MA, University of California Los Angeles, Los Angeles, CA, Council of Medical Specialty Societies, Chicago, IL, American College of Surgeons, Chicago, IL, Eastern Virginia Medical School, Norfolk, VA*

SF323 | 2:30-4:00 pm Pediatric Surgery IV

LOCATION: MN 23

TRACK(S): PED

MODERATORS:

Eveline H. Shue, MD, *Los Angeles, CA*

Russell K. Woo, MD, FACS, *Honolulu, HI*

Effect of Perioperative Transfusion Practices on Serious Complications after Abdominal Surgery in Pediatric Patients with Sickle Cell Disease

Christopher W. Snyder, MD, FACS, Paul D. Danielson, MD, FACS, Raquel Gonzalez, MD, FACS, and Nicole M. Chandler, MD, FACS. *Johns Hopkins All Children's Hospital, St. Petersburg, FL*

Factors Influencing Recidivism after Major Trauma in Children

Adil A. Shah, MD, Anthony D. Sandler, MD, FACS, Timothy D. Kane, MD, FACS, and Mikael Petrosyan, MD, FACS. *Howard University Hospital and College of Medicine, Washington, DC, Children's National Medical Center, Washington, DC*

Analysis of Central Venous Access Device (CVAD) Complications in the Setting of Concomitant Surgical Procedures: Is Early Venous Thrombosis a Risk Factor for CVAD Infection?

Christopher W. Snyder, MD, FACS, Paul D. Danielson, MD, FACS, Raquel Gonzalez, MD, FACS, and Nicole M. Chandler, MD, FACS. *Johns Hopkins All Children's Hospital, St. Petersburg, FL*

Variable Patterns of Organisms Causing Central-Line Associated Blood Stream Infections in Patients Undergoing GI Surgery in the Pediatric Population

Raghavendra Rao, MD, Fuad Haddad, Sandeep Kaur, MPH, Jaime Redkey, MPH, Adam Karcz, MPH, CPH, CIC, and Alan Ladd, MD, FACS. *Indiana University School of Medicine, Indianapolis, IN*

Does Timing and Duration of Inhaled Nitric Oxide before ECMO in Congenital Diaphragmatic Hernia (CDH) Survivors Predict Respiratory Morbidity at Discharge?

Brian W. Gray, MD, FACS, Pamela A. Lally, MD, Lava R. Timsina, MPH, PhD, and Matthew P. Landman, MD, FACS. *Indiana University School of Medicine, Indianapolis, IN, McGovern Medical School at UTHealth and Children's Memorial Hermann Hospital, Houston, TX*

Beyond Survival: Readmissions and Late Mortality in Pediatric ECMO Survivors

Amy E. Lawrence, MD, Yuri V. Sebastião, PhD, Dani O. Gonzalez, MD, Katherine J. Deans, MD, MHSc, FACS, and Peter C. Minneci, MD, MHSc, FACS. *Nationwide Children's Hospital, Columbus, OH*

Prognosis of Neonates with Congenital Diaphragmatic Hernia Who Are Small for Gestational Age; A Multicenter Study

Ariela L. Zenilman, MD, Kenneth S. Azarow, MD, FACS, FAAP, Timothy M. Crombleholme, MD, FACS, George B. Mychaliska, MD, FACS, Brad Warner, MD, FACS, and Vincent Duron, MD. *Columbia University Medical Center, New York, NY, Oregon Health & Science University, Portland, OR, Fetal Care Center Dallas, Dallas, TX, Mott Children's Hospital, University of Michigan, Ann Arbor, MI, Washington University in St. Louis, St. Louis, MO*

Peritoneal Drainage as a Safe Alternative to Laparotomy in Children with Abdominal Compartment Syndrome

Beatrix H. Choi, Rivka H. Shenoy, MD, Keith Kuenzler, MD, FACS, Howard Ginsburg, MD, FACS, Jason C. Fisher, MD, FACS, FAAP, and Sandra Tomita, MD, FACS. *New York University School of Medicine, New York, NY, New York University Langone Health, New York, NY*

Postoperative White Blood Cell Count is an Independent Predictor of Intra-Abdominal Abscess in Complicated Appendicitis

Dalya M. Ferguson, MD, Maile E. Curbo, Tayler D. Parker, Elisa I. Garcia, RN, Nutan B. Hebballi, BDS, MPH, PMP, and KuoJen Tsao, MD, FACS. *McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX*

Acute Inpatient Complications Following Pediatric Small Bowel Transplantation: A 15-Year Review from the Nationwide Inpatient Sample Database

Krishnaraj Mahendraraj, MD and Guillermo Medrano del Rosal, MD. *Cedars-Sinai Medical Center, Los Angeles, CA, Lincoln Medical Center, Bronx, NY*

Predictors of Need for Intervention in Pancreatic Pseudocysts in the Pediatric Population-Analysis from a Large Single-Institution Series

Raghavendra Rao, MD, Brian McFerron, MD, Brian W. Gray, MD, FACS, and Alan Ladd, MD, FACS. *Indiana University School of Medicine, Indianapolis, IN*

Characteristics of Image-Defined Risk Factors on Outcomes for Primary Resection of Neuroblastoma

Andrew Hu, MD, Emily Dunn, MD, Joanna Etra, MD, Diego Nino, PhD, Alejandro Garcia, MD, FACS, and Daniel Rhee, MD, FACS. *The Johns Hopkins Hospital, Baltimore, MD*

Black Children with Nephroblastoma Are Less Often Resected

Susanna W. L. de Geus, MD, PhD, Teviah E. Sachs, MD, MPH, FACS, Timothy Feeney, MD, Alaina D. Geary, MD, Frederick T. Drake, MD, FACS, David McAneny, MD, FACS, and Jennifer F. Tseng, MD, MPH, FACS. *Boston Medical Center, Boston, MA*

Racial Disparities in Pediatric Surgical Outcomes Exist Despite Hospital Procedural Volume

Sabrina Mangat, Charles Gaber, MPH, Paula D. Strassle, MSPH, Amy Marzinsky, RN, OCN, Michael Phillips, MD, and Sean E. McLean, MD, FACS. *University of North Carolina at Chapel Hill, Chapel Hill, NC*

Physician-Driven Firearm Storage Education: Does It Work?

Brittany Johnson, MD, Matthew Webb, MD, Anvi Bhalakia, MD, Kristen Beckworth, MPH, David E. Wesson, MD, FACS, and Bindi Naik-Mathuria, MD, MPH, FACS. *Texas Children's Hospital, Houston, TX*

The Incidence of Deep Venous Thrombosis in Children Following Colectomy for Inflammatory Bowel Disease: A Multicenter Study

Michael D. Traynor, Jr., MD, Stephanie F. Polites, MD, Christina Bence, MD, Peter Muenks, MA, Derrick Ha, Shawn D. St. Peter, MD, FACS, Matthew P. Landman, MD, MPH, FAAP, FACS, John C. Densmore, MD, FACS, and D. Dean Potter, Jr., MD. *Mayo Clinic, Rochester, MN, Medical College of Wisconsin, Milwaukee, WI, Children's Mercy Kansas City, Kansas City, MO, Kansas City University of Medicine and Biosciences, Kansas City, MO, Riley Hospital for Children Indianapolis, Indianapolis, IN, Children's Hospital of Wisconsin, Milwaukee, WI*

No Pain Is Gain: A Prospective Evaluation of Strict Non-Opioid Pain Control after Pediatric Appendectomy

Ruth E. Jones, MD, Kristin M. Gee, MD, Lauren E. McClain, MD, Gentry Wools, RN, and Alana L. Beres, MDCM, MPH, FACS, FAAP, FRCS(c). *University of Texas Southwestern Medical Center, Dallas, TX, Children's Health, Dallas, TX*

SF324 | 2:30-4:00 pm Surgical Oncology V

LOCATION: MS 160

TRACK(S): ONC

MODERATORS:

Giorgos C. Karakousis, MD, FACS, *Philadelphia, PA*
Andrew P. Loehrer, MD, *Lebanon, NH*

Current Status and Future Perspectives of Robotic Gastrectomy for Gastric Cancer in Japan

Koichi Suda, MD, PhD, FACS, Masaya Nakauchi, MD, PhD, FACS, Kenji Kikuchi, MD, PhD, Kazuki Inaba, MD, PhD, FACS, and Ichiro Uyama, MD, PhD, FACS. *Fujita Health University, Toyoake, Japan*

Is There a Benefit for Added Radiation to Adjuvant Chemotherapy after D2 Gastrectomy for Resectable Gastric Cancer?

Michael J. Jalfon, Miriam Tsao, MD, Benjamin W. Deschner, MD, Paxton V. Dickson, MD, FACS, Jeremiah L. Deneve, DO, FACS, Evan S. Glazer, MD, FACS, and Danny Yakoub, MD, PhD, FACS. *University of Tennessee Health Science Center, Memphis, TN*

Duration of Esophagectomy in Esophageal Cancer: Does Operative Time Really Matter?: An ACS National Surgical Quality Improvement Program (NSQIP®) Study

Benjamin A. Dixon, Morgan Callahan, DO, Katelyn Young, Marcus Fluck, Anthony T. Petrick, MD, FACS, Mohsen M. Shabahang, MD, PhD, FACS, and Joseph Blansfield, MD, FACS. *Geisinger Medical Center, Danville, PA*

Comparison of Pancreatic Cancer Surgical Outcomes by Facility Type and Volume

Daniel Sykora, Natalie Landman, PhD, Richard J. Butterfield III, MA, Tanios Bekaii-Saab, MD, Yu-Hui Chang, PhD, MPH, and Denis Cortese, MD. *Mayo Clinic Alix School of Medicine, Scottsdale, AZ, Arizona State University Healthcare Delivery and Policy Program, Scottsdale, AZ, Mayo Clinic Arizona, Scottsdale, AZ, Mayo Clinic Arizona, Phoenix, AZ*

Perfect Episodes of Care in Pancreatic Surgery

Eileen A. O'Halloran, MD, MS, Joseph E. Bland, Maureen V. Hill, MD, and Sanjay S. Reddy, MD, FACS. *Fox Chase Cancer Center, Philadelphia, PA*

Small Bowel Adenocarcinoma Primary Tumor Location Determines Outcome: A Nationwide Analysis

Denise Wong, MD, Louis Magnotti, MD, FACS, Ashley Dodd, Evan S. Glazer, MD, PhD, FACS, Stephen W. Behrman, MD, FACS, David Shibata, MD, FACS, FASCRS, Martin D. Fleming, MD, FACS, and Jeremiah L. Deneve, DO, FACS. *University of Tennessee Health Science Center, Memphis, TN*

Impact of Metastatic Stage at Presentation on Survival from Primary Bone Cancer

Talha Ayaz, Asad Loya and Vinod K. Panchbhavi, MD, FACS. *University of Texas Medical Branch, Galveston, TX, Baylor College of Medicine, Houston, TX*

The Impact of Postoperative Complications on Gastric Cancer Survival and Recurrence

Ayato Obana, MD, Motoi Koyama, MD, PhD, Tatsushi Suwa, MD, PhD, Yoshinobu Sato, MD, PhD, and Norimasa Koide, MD, PhD. *Kashiwa Kousei General Hospital, Kashiwa, Japan*

Conversion from Minimally Invasive to Open Esophagectomy Was Not Associated with Radiation Dose or Interval from Radiation to Surgery

Alina Khil, Stephanie G. Worrell, MD, Katelynn Bachman, MD, Yaron Perry, MD, FACS, Philip A. Linden, MD, FACS, and Christopher W. Towe, MD. *University Hospitals Cleveland Medical Center, Cleveland, OH*

Comparing Robotic to Other Treatment Modalities for Esophageal Cancer: A National Surgical Quality Improvement Program Assessment

Mark Dudash, MD, Benjamin Fisher, MD, Katelyn A. Young, James T. Dove, Matthew A. Facktor, MD, FACS, Mohsen Shabahang, MD, PhD, FACS, and Joseph A. Blansfield, MD, FACS. *Geisinger Medical Center, Danville, PA*

The Impact of the Number of Nonmetastatic Lymph Nodes (nLN) in the Outcomes of Patients with Gastric Cancer

Paulo M. da Costa, MD, PhD, FACS, FRCS, Patrícia Lages, MD, Susana Onofre, MD, and Ruy Ribeiro, PhD. *Hospital Garcia de Orta; Faculdade de Medicina da Universidade de Lisboa, Lisboa, Portugal*

Are Palliative Interventions Worth the Risk in Advanced Gastric Cancer: A Systematic Review

Alicia A. Gingrich, MD, Jennifer Olson, MD, Sarah Bateni, MD, Sepideh Gholami, MD, and Amanda Kirane, MD. *University of California, Davis, Sacramento, CA*

Prognostic Impact of Desmoplastic Lymphadenopathy on Preoperative Imaging in Ileum Neuroendocrine Tumors

Yosuke Kasai, MD, PhD, FACS, Kelly M. Mahuron, MD, Kenzo Hirose, MD, FACS, Carlos U. Corvera, MD, FACS, Grace E. Kim, MD, Brandon E. Shih, Robert S. Warren, MD, FACS, Emily K. Bergsland, MD, and Eric K. Nakakura, MD, PhD, FACS. *University of California, San Francisco, San Francisco, CA*

Appendiceal Cancer: Comparison of Patients Presenting Initially for Definitive Operation with Those Presenting after Prior Non-Curative Resection

Andrew M. Blakely, MD, Christopher J. LaRocca, MD, Oliver S. Eng, MD, Philip H.G. Ituarte, PhD, MPH, Byrne Lee, MD, FACS, and Mustafa Raoof, MD. *City of Hope, Duarte, CA, University of Chicago, Chicago, IL*

SF325 | 2:30-4:00 pm

Trauma/Burn/Critical Care VIII

LOCATION: MS 152

TRACK(S): GEN, TRA

MODERATORS:

Joshua S. Carson, MD, FACS, *Gainesville, FL*

Jeffrey W. Shupp, MD, FACS, *Washington, DC*

Clinical Decision Support Intervention Decreases Time to Imaging in Elderly Patients with Traumatic Brain Injuries

Brian V. Thielen, Simon Yang, MS, Arthur Nguyen, Regina Martinez Lorenzo, MPH, Kristina Techar, Cameron Berg, MD, Christopher Palmer, MD, Patty Reicks, RN, Jon L. Gipson, MD, and Christopher J. Tignanelli, MD. *University of Minnesota Medical School, Minneapolis, MN, North Memorial Health Hospital, Robbinsdale, MN*

Effects of Abnormal Body Mass Index (BMI) on Clinical Outcomes after Trauma Using the 2016 Trauma Quality Improvement Program (TQIP) Database

Zoltan H. Nemeth, MD, PhD, Karen Kong, Lauren N. Renna, Daniel Hakakian, Rolando H. Rolandelli, MD, FACS, and Louis T. DiFazio, MD, FACS. *Morristown Medical Center, Morristown, NJ*

Multicenter Corroboration of a Bayesian Organ/Space Score (BOSS) after Emergent Trauma Laparotomy

Kayla D. Isbell, MD, MS, Van Truong, MS, Charles Green, PhD, John P. Sharpe, MD, FACS, Elizabeth D. Dauer, MD, FACS, Laura A. Kreiner, MD, FACS, Rachel Rodriguez, MD, Lillian S. Kao, MD, FACS, Charles Wade, PhD, and John A. Harvin, MD, FACS. *The University of Texas McGovern Medical School, Houston, TX, University of Tennessee Health Science Center, Memphis, TN, Temple University Lewis Katz School of Medicine, Philadelphia, PA, MetroHealth Medical Center, Cleveland, OH, Indiana University School of Medicine, Indianapolis, IN*

Readmission with Major Abdominal Complications Following Penetrating Abdominal Trauma

Kamil Hanna, MD, Zaid Haddadin, MD, Michael Ditillo, DO, FACS, Mohammad K. Hamidi, MD, Terence O'Keeffe, MD, FACS, Muhammad Zeeshan, MD, Lynn M. Gries, MD, FACS, Andrew L. Tang, MD, FACS, Narong Kulvatunyou, MD, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

The Impact of Non-Neurological Organ Dysfunction on Outcomes in Severe Isolated Traumatic Brain Injury

Mariam Astarabadi, MS, Zaid Haddadin, MD, Andrew L. Tang, MD, FACS, Mohammad K. Hamidi, MD, Lynn M. Gries, MD, FACS, Kamil Hanna, MD, Terence O'Keeffe, MD, FACS, Narong Kulvatunyou, MD, Muhammad Zeeshan, MD, and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

The Outcomes of Inhalation Injuries in Lesser Burns Still a Deadly Injury

Salomon Puyana, MD, Samuel Ruiz, MD, Francisco J. Amador, MD, Shaikh A. Hai, MBBS, FACS, Rizal Lim, MD, Morad Askari, MD, MBA, Mark G. Mckenney, MD, MBA, FACS, and Haaris S. Mir, MBBS, FACS. *Kendall Regional Medical Center, Miami, FL, Universidad del Norte, Barranquilla, Colombia*

The Impact of a Comprehensive Multidisciplinary Rib Fracture Treatment Protocol on Patient Outcomes at a Level 1 Trauma Center

Ashley C. Pfaff, MD, Claire P. Miller, MS, Ashar Ata, MBBS, PhD, Allan E. Stolarski, MD, Lauren Evans, MD, Matthew Johnson, MS, Ashley Bartscherer, MS, Carl Rosati, MD, FACS, Steven C. Stain, MD, FACS, and Marcel Tafen, MD, FACS. *Albany Medical Center, Albany, NY, Boston Medical Center, Boston, MA, Cedars-Sinai Medical Center, Los Angeles, CA*

Penetrating Abdominal Trauma in the Era of Selective Conservatism-A Prospective Cohort Study in a Level 1 Trauma Unit

Anthony Sander, MBChB, FCS(SA), Richard Spence, MBChB, MPH, PhD, FCS(SA), Andrew Nicol, MBChB, FCS(SA), PhD, Sorin Edu, MBChB, FCS(SA), Marius Hoogerboord, MBChB, MMED, MSc, FCS(SA), FRCSC, FACS, James C. Ellsmere, MD, MS, FRCSC, FACS, and Pradeep Navsaria, MBChB, MMED, FCS(SA), FACS. *Groote Schuur Trauma Unit, Cape Town, South Africa, Dalhousie University, Halifax, NS, Canada*

Firearm Acoustic Detection in Hartford Connecticut: Early Outcomes of a Hospital-Police Department Collaboration

Brendan R. Gontarz, MD, Usman R. Siddiqui, MBBS, Brendan Campbell, MD, MPH, FACS, and David S. Shapiro, MD, FACS. *Trinity Health Of New England, Hartford, CT, Hartford Hospital, Hartford, CT*

A Simple Bedside Index for Prediction of Massive Transfusion and Mortality in Traumatic Pelvic Fractures

Ayman El-Menyar, MD, Ruben Peralta, MD, FACS, and Hassan Al-Thani, MD. *Hamad General Hospital, Doha, Qatar, Hamad General Hospital, Doha, Qatar*

OWEN H. WANGENSTEEN SCIENTIFIC FORUM e-POSTER PRESENTATIONS

e-Poster Rounds

The format will include multiple stations in the e-Poster Rounds sessions. Authors will be assigned to present their research at a designated station and invited moderators will lead a discussion. e-Poster presentations are approximately three minutes long and will feature a discussion and/or question-and-answer session immediately following the presentation. All e-Posters will be located in Room MS 201-203.

e-Posters of Exceptional Merit

SP215 | Tuesday, October 29, 11:30 am-12:30 pm
ROOM: MS 201-203

Disparities and Underutilization of Surgery for Early Small-Cell Lung Cancer

Heidi Reich, MD, James Mirocha, MS, Fernando Espinoza Mercado, MD, FACS, Taryne A. Imai, MD and Harmik J. Soukiasian, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

Where is the Data?—Comparing the Accuracy of Natural Language Processing and Manual Chart Review with a Prospective Surgeon-Entered Registry

Aldo Fafaj, MD, Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Samuel Zolin, MD, Shahed Tish, MD, Raha AlMarzooqi, MD, Ajita S. Prabhu, MD, FACS, David M. Krpata, MD, Michael J. Rosen, MD, FACS and Clayton C. Petro, MD. *Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH*

Prospective Application of a Computational Algorithm Using Trend Analysis of Abdominal NIRS Predicts the Onset of Necrotizing Enterocolitis in Neonates with Congenital Heart Disease: From Bench to Bedside

Stephanie Cruz, MD, Patricio E. Lau, MD, Craig Rusin, PhD, Candace Style, MD, Elena Ocampo, MD, Christopher Rhee, MD, Kenneth M. Brady, MD, Dean B. Andropoulos, MD and Oluyinka O. Olutoye, MBChB, PhD, FACS. *Texas Children's Hospital, Houston, TX*

A Novel Total Annulus Excision Technique of Tympanoplasty: Double-Blind Randomized Controlled Trial
Pawan Singhal, MBBS, MS, DNB, FACS. *Sawai Man Singh Medical College, Jaipur, India*

Neuroendocrine Metastases to the Ovaries Are Significantly Associated with Small Bowel Neuroendocrine Tumors and Carcinomatosis

Kristen E. Limbach, MD, SuEllen J. Pommier, PhD, Elizabeth Dewey, MS, Enrique Leon, MS and Rodney F. Pommier, MD. *Oregon Health and Science University, Portland, OR*

Risk Factors for Mortality and Adverse Outcomes after General Surgery Procedures in Sub-Saharan Africa Include Malaria and Type-2 Diabetes

Paddy Ssentongo, MD, MPH, Laura Keeney, DO, Anna E. Ssentongo, MPH, Sarah Peiffer, Eustina Kwon, MPH, Richard Ofosu-Akromah, MBChB, MWACS, Eric Agyemang, MBChB, Forster Amponsah, MD, David I. Soybel, MD, FACS and John S. Oh, MD, FACS. *Penn State College of Medicine, Hershey, PA, Eastern Regional Hospital, Koforidua, Ghana*

Sentinel Lymph Node Biopsy for T1b Melanoma: Balancing Prognostic Value and Cost

Yinin Hu, MD, Andrew Briggs, PhD, Renee Gennarelli, PhD, Sean Houghton, MS, Edmund Bartlett, MD, Charlotte Ariyan, MD, FACS, Daniel Coit, MD, FACS and Mary S. Brady, MD, FACS. *Memorial Sloan Kettering Cancer Center, New York, NY*

Advanced Utererocystostomy by Magnetic Compression Technique in Ureteral Obstruction Rabbit Models

Bo Deng, MD, Dan Ye, MD, Yi Lv, MD and Xiaopeng Yan, PhD. *Zonglian College, Xi'an Jiaotong University, Xi'an, China, Qide College, Xi'an Jiaotong University, Xi'an, China, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China*

Monday, October 28

SP105 | 9:45-11:15 am

e-Posters I

LOCATION: MS 201-203

Station 1

General Surgery (Hernia)

MODERATOR:

Michael J. Rosen, MD, FACS, *Solon, OH*

Assessing Relative Value of Ventral Hernia Repair Approaches: An AHSQC Analysis

Samuel J. Zolin, MD, Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Erika J. Lampert, Kevin Brown, MD, Deepa Cherla, MD, Clayton Petro, MD, Ajita S. Prabhu, MD, FACS, Michael Rosen, MD, FACS and David M. Krpata, MD. *Cleveland Clinic Foundation, Cleveland, OH*

Hernia Repair in Patients with Inflammatory Bowel Disease: Operative Techniques Offered and Outcomes-A Retrospective Review from the Americas Hernia Society Quality Collaborative (AHSQC)

Hemasat Alkhatib, MD, Aldo Fafaj, MD, Luciano Tastaldi, MD, Samuel Zolin, MD, Shahed Tish, MD, Breanna Perlmutter, MD, Clayton Petro, MD, David M. Krpata, MD, Michael Rosen, MD, FACS and Ajita S. Prabhu, MD, FACS. *Cleveland Clinic Foundation, Cleveland, OH*

The Innovation of Minimally Invasive Retromuscular Abdominal Wall Reconstruction: The Largest Prospective Study of Outcomes

Igor Belyansky, MD, FACS, H. Reza Zahiri, DO, FACS, Vladislav Burdakov, MD, Victor Radu, MD, Alex J. Addo, MD, MPH, Richard Lu, MD, Andrew Broda and Adrian E. Park, MD, FRCSC, FACS, FCS(ECSA). *Anne Arundel Medical Center, Annapolis, MD, District Hospital 2, Voskresensk, Russian Federation, Life Memorial Hospital, Bucharest, Romania*

Progressive Preoperative Pneumoperitoneum Experience in the Reconstruction of Incisional Ventral and Inguinoescrotal Hernias with Loss of Domain

Tatiana C. Beltran Garcia, MD, Marco T. Quintero, MD, Gonzalo Sánchez, MD and Jorge A. Navarro Alean, MD. *Universidad del Rosario, Bogotá, Colombia, Hospital Universitario Mayor, Bogotá, Colombia*

Short-Term Quality of Life Comparison of Laparoscopic, Open, and Robotic Incisional Hernia Repairs

Beau Forester, Kara Donovan, Kristine Kuchta, Michael Ujiki, MD, FACS, Ervin W. Denham, MD, FACS, Stephen Haggerty, MD, FACS, JoAnn Carbray and John Linn, MD, FACS. *North-Shore University HealthSystem, Evanston, IL*

Comparing Laparoscopic vs. Open Umbilical Hernia Repair in Obese Patients: An Analysis of the Americas Hernia Society Quality Collaborative (AHSQC)

Aldo Fafaj, MD, Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Shahed Tish, MD, Raha AlMarzooqi, MD, Molly Olson, MS, Clayton C. Petro, MD, David M. Krpata, MD, Michael J. Rosen, MD, FACS and Ajita S. Prabhu, MD, FACS. *Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH, Vanderbilt University Medical Center, Nashville, TN*

What Is the Cost of That ER Visit? An Analysis of Inguinal Hernia Repairs and Non-Scheduled Follow-Up

Wayne Tse, MD, Ryan Johnson, Jeannie F. Savas, MD, FACS and Michael F. Amendola, MD, FACS. *Hunter Holmes McGuire VA Medical Center, Richmond, VA, Virginia Commonwealth University School of Medicine, Richmond, VA*

Risk Factors for Readmissions and Reoperations Following Hiatal Hernia Surgery: An ACS NSQIP® Analysis

Andrew Broda, Zachary Sanford, MD, Adam S. Weltz, MD, Udai S. Sibbia, MD and Adrian Park, MD, FACS. *Anne Arundel Medical Center, Annapolis, MD*

Nationwide Long-Term Outcome Surveillance of Physiomes® vs. Other Meshes in Laparoscopic Incisional Hernia Repair

Frederik Helgstrand, MD, DMSc, FACS, Lau Thygesen, Thue Bisgaard, MD, DMSci, Lars N. Jorgensen, MD, FACS and Hans Friis-Andersen, MD, PhD. *Zealand University Hospital, Koege, Denmark, National Institute of Public Health, University of Southern Denmark, Copenhagen, Denmark, Hvidovre Hospital, Copenhagen, Denmark, Digestive Disease Research Center, Copenhagen NV, Denmark, Horsens Regional Hospital, Horsens, Denmark*

Bovine vs. Porcine Acellular Dermal Matrix for Abdominal Wall Herniorrhaphy or Bridging

Kathryn van Orden, MD, MPH, FACS, Jeffrey Santos, MS, Andrea Foster, MS, Tejal S. Brahmabhatt, MD, FACS, Krista Haines, DO, Suresh Agarwal, MD, FACS and George Kasotakis, MD, MPH, FACS. *Boston University, Boston, MA, Duke University, Durham, NC*

Factors Affecting Cost of Inguinal Hernia Repair

Natalie Liu, MD, Yiwei Xu, MHS, Luke M. Funk, MD, MPH, FACS, Jacob A. Greenberg, MD, EdM, FACS, Amber L. Shada, MD, FACS and Anne O. Lidor, MD, FACS. *University of Wisconsin, Madison, WI*

Clinical Outcomes of Robotic Assisted vs. Laparoscopic Ventral Hernia Repair: A Meta-Analysis of the Literature

Christina Reid, Scott Chearning, Samuel Idachaba and Aliu O. Sanni, MD, FACS. *Philadelphia College of Osteopathic Medicine, Suwanee, GA, All Saints University School of Medicine, Toronto, ON, Canada, Eastside Bariatric and General Surgery, Snellville, GA*

Extended Duration Thromboprophylaxis for Venous Thromboembolism in High-Risk Ventral Hernia Patients: The Time Has Come

Sandhya B. Kumar, MD, Matthew Y. C. Lin, MD, FACS and Jonathan T. Carter, MD, FACS. *University of California, San Francisco, San Francisco, CA*

Staged Abdominal Wall Reconstruction in the Setting of Complex Colorectal Disease

Kristen T. Crowell, MD, Michael J. Deutsch, MD, Jeffrey S. Scow, MD, FACS and Eric M. Pauli, MD, FACS. *Penn State Health Milton S. Hershey Medical Center, Hershey, PA*

Station 2

General Surgery

MODERATORS:

Pardon R. Kenney, MD, FACS, Boston, MA
Mika N. Sinanan, MD, PhD, FACS, Seattle, WA

A Contemporary Analysis of the Outcomes after Percutaneous Cholecystostomy

Alice Piccinini, MD, Kenji Inaba, MD, FACS, Nadya Nee, Erika Falsgraf, MD, Meghan R. Lewis, MD, FACS, Elizabeth R. Benjamin, MD, PhD, FACS and Demetrios Demetriades, MD, PhD, FACS. *Los Angeles County+USC Medical Center, Los Angeles, CA*

Advanced Age is Not an Independent Risk Factor for In-Hospital Mortality in Patients with Necrotizing Soft-Tissue Infections

Mahsa Shariat, MD, Sameer Hirji, MD, Manuel Castillo-Angeles, MD, MPH, Barbara U. Okafor, MD, Deepika Nehra, MD, Stephanie L. Nitzschke, MD, FACS and Reza Askari, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

A Severe Pancreatitis Multidisciplinary Working Group: Optimizing Care and Cost

Joseph C. L'Huillier, Kyle E. Williams and Amy E. Liepert, MD, FACS. *University of Wisconsin School of Medicine and Public Health, Madison, WI, University of Wisconsin Hospital and Clinics, Madison, WI*

Validation of the AAST Grading System for Acute Cholecystitis Severity

Charles A. Mouch, MD, Anne H. Cain-Nielsen, MS, Beckie L. Hoppe, RN, MSN, Maria P. Giudici, MSN, John R. Montgomery, MD, John W. Scott, MD, MPH and Mark R. Hemmilla, MD, FACS. *University of Michigan, Ann Arbor, MI, University of Michigan Center for Health Outcomes and Policy, Ann Arbor, MI, Harborview Medical Center, Seattle, WA*

Prognosis Factors Associated to Preterm Delivery after Appendectomy during Pregnancy in a Developing Country

Kenndy M. Arevalo Pereira, MD, Edgar G. Junca, MD, Ruben S. Caycedo, MD, Hernando G. Gaitán, MD, MSc, Juan S. Moyano, Andres F. Patino, and Giancarlo Buitrago, MD, PhD, MSc. *Hospital Universitario Nacional de Colombia, Bogotá, Colombia, School of Medicine, Universidad Nacional de Colombia, Bogotá, Colombia, Hospital Universitario Nacional de Colombia, Bogotá, Colombia, Universidad Nacional de Colombia, Bogotá, Colombia*

Fungal Necrotizing Soft-Tissue Infections Are Associated with Significantly Increased Mortality

Mitri K. Khoury, MD, Christopher A. Heid, MD, Maryanne L. Pickett, DO, Madhuri B. Nagaraj, MD and Sara A. Hennessy, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Mobile Thermal Imaging as an Adjunct in the Diagnosis of Surgical Site Infection

Kaitlin Morte, MD, Christopher Marenco, MD, Daniel Lambers, MD, Rowan R. Sheldon, MD, Jason R. Bingham, MD and Matthew J. Eckert, MD, FACS. *Madigan Army Medical Center, Tacoma, WA*

EMSFI (Emergency Surgery Frailty Index): A New Validated Score in the Elderly Undergoing Emergency Surgery

Laura Bersigotti, MD, Gianluca Costa, MD, Lucarini Alessio, MD, Pietro Fransvea, MD, Giulia Massa, MD, Genoveffa Balducci, MD, Enrica Taloni, MD and Noemi Di Fuccia, MD. *Sapienza University of Rome, Rome, Italy*

Predictors of Acute Transmural Intestinal Necrosis in Acute Mesenteric Ischemia: A Single-Center Retrospective Study
Xinyu Wang, MD, Weiwei Ding, MD, PhD and Shilong Sun, MD. *Research Institute of General Surgery, Jinling Hospital, Medical School of Nanjing University, Nanjing, China*

Surgical Delay in Peptic Ulcer Perforation Leads to Serious Adverse Outcomes

Jinwei Hu, MD, Rafael Perez, DO, MBA, Kabir Jalal, PhD, Jihnhee Yu, PhD and Jeffrey M. Jordan, MD, PhD, FACS. *Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, Buffalo, NY, University at Buffalo, Buffalo, NY*

Bone Cultures Are Associated with a Change in Antibiotic Therapy and Improved Outcomes in Osteomyelitis Patients

James M. McMullen, Christina X. Zhang, MD, Ricardo A. Fonseca, MD, Rohit K. Rasane, MBBS, MS, Javier E. Rincon, MD, Maya J. Sorini, Qiao Zhang, MS, Kelly M. Bochicchio, RN, MS, John P. Kirby, MD, FACS and Grant V. Bochicchio, MD, MPH, FACS. *Washington University in St. Louis, St. Louis, MO*

Comparison of Appendectomy in the Setting of Perforated Appendicitis with and without Abscess to Nonperforated Appendicitis: An ACS NSQIP® Analysis

Caitlin A. Hester, MD, Maryanne Pickett, DO, Kareem R. Abdelfattah, MD, FACS, Michael W. Cripps, MD, FACS, Linda A. Dultz, MD, FACS, Ryan P. Dumas, MD, Jennifer Grant, MD, Stephen S. Luk, MD, FACS, Caroline Park, MD and Thomas H. Shoultz, MD. *University of Texas Southwestern Medical Center, Dallas, TX*

Prognostic Factors Associated with Hospital Stay in Patients Undergoing Emergency Cholecystectomy: Retrospective Cohort Study

Pilar C. Pinillos Navarro, MD, Jorge A. Martínez, MD, Edgar G. Junca, MD, Andrés F. Patiño, MD, Juan S. Moyano, MD, Ginna M. Bernal, MD, Juan E. Paneso, MD, Camilo A. Castro, MD, Romar Baquero, MD and Giancarlo Buitrago, MD. *Hospital Universitario Nacional de Colombia, Bogotá, Colombia*

More Opioids Do Not Yield Higher Patient Satisfaction

Shruti Zaveri, MD, MPH, Tamar B. Nobel, MD, Perna Khetan, MD, Maya Srinivasan and Celia M. Divino, MD, FACS. *Icahn School of Medicine at Mount Sinai, New York, NY*

Station 3

Global Surgery and Humanitarian Outreach

MODERATORS:

Please see addendum and Clinical Congress App.

Sex Disparities in Patient Presentation for Surgical Diseases in Sub-Saharan Africa

Laura N. Purcell, MD, Charles Mabedi, MBBS, Trista Reid, MD, Rebecca G. Maine, MD, MPH and Anthony G. Charles, MBBS, FACS. *University of North Carolina, Chapel Hill, NC, Kamuzu Central Hospital, Lilongwe, Malawi*

The Pakistani National Vision for Surgical Care 2025: A Series of Firsts

Alexander W. Peters, MD, Irum Fatima, MD, Dominique Vervoort, MD, Haitham Shoman, MD, DIC, MPH, Muhammad N. Ashraf, MBBS, John G. Meara, MD, FACS and Lubna Samad, MBBS. *New York Presbyterian-Weill Cornell Medical Center, New York, NY, Harvard Medical School, Boston, MA, Indus Health Network, Karachi, Pakistan*

Assessing Knowledge and Attitudes toward Colorectal Cancer Screening in Armenia

Roxanne Massoumi, MD, Evelyn A. Abrami, MS, Taron Torosian, MS, Nika M. Harutyunyan, MD, Armen Aboulian, MD, FACS and Shant Shekherdian, MD, FACS. *Keck School of Medicine of University of Southern California, Los Angeles, CA, University of California Los Angeles, Los Angeles, CA, Kaiser Permanente Woodland Hills, Woodland Hills, CA*

Young Surgeons Program: An International Collaboration Enhancing Surgery Leadership Skills

Kamran Fathimani, MD, FACS, Gina Rayat, PhD, Renny Khan, MA and David C. Williams, MD, FACS. *University of Alberta, Edmonton, AB, Canada*

The Contribution of the University of Cape Town to the Training of African Surgeons

Priyanka Naidu, MBChB, Johannes Fagan, Carina Lategan, Liam P. Devenish and Kathryn M. Chu, MD, FACS. *University of Cape Town, Cape Town, South Africa*

Making an Impact on the Burden of Cleft Lip/Palate Deformities in Bolivia: International and Local Contributions

Erica K. Ludi, MD, Patrick Bullot, Vincent Carrao, MD, FACS, Rene Solorzano, Jimena Trujillo, DDS and Steven Roser, DDS, MD, FACS. *Emory University, Atlanta, GA, Healing the Children Northeast, New York, NY, Icahn School of Medicine at Mount Sinai, New York, NY, New York Presbyterian Hospital-Columbia University, New York, NY, OdontoCenter, Santa Cruz de la Sierra, Plurinational State of Bolivia*

Correlation of Surgeon-Determined BI-RADS Assessment and Breast Pathological Results in Malawi

Jennifer A. Kincaid, MD, Chifundo Kajombo, MBBS, Tamiwe Tomoka, MBBS, Satish Gopal, MD, MPH, Rebecca G. Maine, MD, MPH, Sheryl G. Jordan, MD and Anthony G. Charles, MBBS, FACS. *Thomas Jefferson University, Philadelphia, PA, Kamuzu Central Hospital, Lilongwe, Malawi, UNC Project, Lilongwe, Malawi, University of North Carolina, Chapel Hill, NC*

Community Identification and Referral of Surgical Congenital Anomalies: A Pilot Assessment in Uganda

Cosmas Sibindi, Seong Im Hong, Nasser Kakembo, MBChB, Norgrove Penny, MD, Michelle Telfer, DNP, MPH and Doruk E. Ozgediz, MD, FACS. *Yale School of Medicine, New Haven, CT, Makerere University College of Health Sciences, Kampala, Uganda, University of British Columbia, Ontario, ON, Canada, Yale School of Nursing, New Haven, CT*

Access to Surgical Care and Late-Presenting Disease in Rural Haiti

Mallory K. Wilson, MPH&TM, Jacques P. Thosiac, MD, Rolvix H. Patterson, III, Alexis N. Bowder, MD, Jordan Pyda, MD, Chris Dodgion, MD, MSPH, MBA, Luther E. Ward, MD, FACS and Michelson N. Padovany, MD, MMSc-GHD. *St. Boniface Hospital, Fond-des-Blancs, Haiti, Haitian Christian Mission, Fond Parisien, Haiti, Tufts University School of Medicine, Boston, MA, Medical College of Wisconsin, Milwaukee, WI, Beth Israel Deaconess Medical Center, Boston, MA, East Tennessee State University, Johnson City, TN*

Comparison of the Access to Care for Benign and Malignant Breast Disease Presenting to a Malawian Tertiary Hospital

Jennifer A. Kincaid, MD, Chifundo Kajombo, MBBS, Sheryl G. Jordan, MD, Satish Gopal, MD, MPH, Anthony G. Charles, MBBS, FACS and Rebecca G. Maine, MD, MPH. *Thomas Jefferson University, Philadelphia, PA, Kamuzu Central Hospital, Lilongwe, Malawi, University of North Carolina, Chapel Hill, NC, UNC Project, Lilongwe, Malawi*

Referral Patterns of Burn Injury in Rural Kenya

Mary A. Palilonis, MD, MA, Kimutai Sylvester, MS, Russell White, MD, MPH, FACS, FCS(ECSA), David T. Harrington, MD, FACS, Patrick M. Vivier, MD, PhD and Robert K. Parker, MD. *Brown University/ Rhode Island Hospital, Providence, RI, Tenwek Hospital, Bomet, Kenya, Hassenfeld Child Health Innovation Institute, Providence, RI*

Capacity for Essential Surgical Care in Rural Hospitals of Pakistan: Mixed Methods Study

Sameen Siddiqi, MBBS, Muhammad Sohaib Khan, MBBS, Narjis Rizvi, MBBS, Imran Naeem, MBBS and Sadaf Khan, MBBS, FACS. *Aga Khan University, Karachi, Pakistan*

The Use of a Urinary Balloon Catheter to Control Hemorrhage from Penetrating Torso Trauma: A Single-Center Experience at Major Inner City Hospital Trauma Center

Ignacio Calzetta, MD, Amber N. Himmler, MD, Juan C. Puyana, MD, FACS and Guillermo Barillaro, MD. *Hospital Interzonal General de Agudos, Mar de la Plata, Argentina, Medstar Georgetown University Hospital-Washington Hospital Center, Washington, DC, University of Pittsburgh Medical Center, Pittsburgh, PA*

Description of Laparoscopic Tubal Ligation Procedure Outcomes from Mobile Surgery Units in Ecuador

Virang Kumar, Tariq Ayubi, Anita V. Pommier, MD, Blasco G. Murillo, MD and Edgar B. Rodas, MD, FACS. *Virginia Commonwealth University School of Medicine, Richmond, VA, Fundación Cinterandes, Cuenca, Ecuador, Virginia Commonwealth University, Richmond, VA*

Station 4

Pediatric Surgery

MODERATORS:

Eunice Y. Huang, MD, FACS, *Memphis, TN*
KuoJen Tsao, MD, FACS, *Houston, TX*

The Management of Asymptomatic Hydrocele in Infants

Masashi Kurobe, MD, FACS, Tetsuro Sugihara, MD, Atsushi Harada, MD, Yuji Baba, MD, Shinsuke Ohashi, MD and Masahiko Otsuka, MD. *Kawaguchi Municipal Medical Center, Kawaguchi, Japan, Jikei University School of Medicine, Tokyo, Japan*

Treatment of Pediatric Empyemas: Challenges in Changing Practice Patterns

Lindel K. Dewberry, MD, Thomas H. Inge, MD, PhD, FACS, Raphael N. Vuille-dit-Bille, MD, Sarah A. Hilton, MD, Ahmed Marwan, MD, Ann M. Kulungowski, MD, FACS and Kenneth W. Liechty, MD, FACS. *University of Colorado, Aurora, CO, Children's Hospital Colorado, Aurora, CO, University of Colorado, Denver, CO*

The Optimal Timing of Definitive Surgery for Achieving a Better Long-Term Outcome of The Bowel Function in Hirschsprung's Disease

Shun Onishi, MD, PhD, Kazuhiko Nakame, MD, PhD, Masakazu Murakami, MD, Toshio Harumatsu, MD, Seiro Machigashira, MD, Tatsuru Kaji, MD, PhD and Satoshi Ieiri, MD, PhD, FACS. *Kagoshima University, Kagoshima, Japan, Kagoshima University, Kagoshima-shi, Japan*

An Unspoken Truth: To Operate or Not to Operate? Assessing ACS NSQIP® Surgical Outcomes in Trisomy 18 Patients

Adam Bajinting, Hector Osei, MD, Salim Munoz-Abraham, MD, Amelia Kirby, MD, Jose Greenspon, MD, FACS and Gustavo A. Villalona, MD, FACS, FAAP. *St. Louis University School of Medicine, St. Louis, MO, Cardinal Glennon Children's Hospital, St. Louis, MO*

Enteral Antibiotics Act Synergistically with Serotonin to Stimulate Ileal Mucosal Growth in Serotonin Reuptake Transporter Knockout (SERTKO) Mice

Christine J. Park, MD, Matthew P. Shaughnessy, MD and Robert A. Cowles, MD, FACS. *Yale School of Medicine, New Haven, CT*

Novel Use of Pleural Sealant for Repair of Tracheal Defects and Tracheoesophageal Fistula

Benefsha Mohammad, MD, Ishna Sharma, MD, Todd Jensen, MHS, Christine Finck, MD, FACS and Daniel Weiss, MD, PhD. *Danbury Hospital, Danbury, CT, UConn Health, Farmington, CT, Connecticut Children's Medical Center, Farmington, CT, University of Vermont, Burlington, VT*

MRCP Compared to ERCP in Children with Choledocholithiasis

Jessica K. Staszak, MD, MS, Patrick Bonasso, MD, Melvin S. Dassinger, MD, FACS and Regan F. Williams, MD, MS, FACS. *University of Tennessee Health Science Center, Memphis, TN, Arkansas Children's Hospital, University of Arkansas for Medical Sciences, Little Rock, AR*

The Modified PILOT Score for Pediatric Traumatic Brain Injury: The Effect of Hypertonic Saline

Akshita Kumar, MD, Louis A. Carrillo, MD, MHS, Cynthia Bell, MS, Claudia Pedroza, PhD, Margaret Jackson, MD, Fanni Cardenas, MS, Max Skibber and Charles S. Cox, Jr., MD, FACS. *University of Texas Health Science Center at Houston, Houston, TX*

Neonatal Tracheostomy and Gastrostomy: An Opportunity for Improved Coordination of Care

Jane Y. Zhao, MD, MS, Sarah Cairo, MD, MPH, Timothy B. Lautz, MD, Sara K. Berkelhamer, MD, Mehul V. Raval, MD, FACS and David H. Rothstein, MD, FACS. *University at Buffalo, Buffalo, NY, John R. Oishei Children's Hospital of Buffalo, Buffalo, NY, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL*

Operative Findings in Pediatric Patients with Presumed Adnexal Torsion

Jamie Golden, MD, PhD, Michelle P. Kallis, MD, Naomi-Liza Denning, MD, Aaron Lipskar, MD, FACS and Barrie Rich, MD. *Northwell Health, Manhasset, NY*

Utilization of Ultrasound vs. Computed Tomography in Pediatric Appendicitis Transfer Cases

Raphael Parrado, MD, Connor J. Swensen, Kathy Schall, MD, Amir Alhajjat, MD, Paul Kang, MS, MPH and Justin Lee, MD. *Phoenix Children's Hospital, Phoenix, AZ, University of Arizona College of Medicine, Phoenix, AZ, University of Arizona College of Public Health, Phoenix, AZ*

Prevalence and Burden on Childhood Maltreatment amongst Children Presenting to U.S. Trauma Centers

Adil A. Shah, MD, Anthony D. Sandler, MD, FACS, Timothy D. Kane, MD, FACS and Mikael Petrosyan, MD, FACS. *Howard University Hospital and College of Medicine, Washington, DC, Children's National Medical Center, Washington, DC*

Presence of Follicles in the Discarded Processing Media in Pediatric Ovarian Tissue Cryopreservation

Courtney J. Harris, MD, Sofia Petukhova, Luhan T. Zhou, MS, Jordan H. Machlin, Francesca E. Duncan, PhD, Monica M. Laronda, PhD and Erin E. Rowell, MD, FACS. *Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, Northwestern University Feinberg School of Medicine, Chicago, IL*

The Emergence of Direct Hernias during Adolescence May Signify Changes in Pediatric to Adult Inguinal Floor Physiology

Jeremy L. Holzmacher, MD, Ian C. Glenn, MD, Vincent Butano, MD, Richard L. Amdur, PhD, Todd Ponsky, MD, FACS and Khashayar Vaziri, MD, FACS. *George Washington University, Washington, DC, Cleveland Clinic, Cleveland, OH, Cincinnati Children's Hospital Medical Center, Akron, OH*

Splenic Viability is Not Maintained Long-Term after Partial Splenectomy in Children with Sickle Cell Disease

Yousef El-Gohary, MD, Sidrah Khan, Erica Hodgman, MD, Lynn Wynn, MSN, CPNP, Amy Kimble, MS, NP-C, Abdelhafeez Abdelhafeez, MD, Lindsay Talbot, MD, Winfred Wang, MD, Andrew M. Davidoff, MD, FACS and Andrew J. Murphy, MD. *St. Jude Children's Research Hospital, Memphis, TN, Jinnah Sindh Medical University, Karachi, Pakistan, LeBonheur Children's Hospital, Memphis, TN*

Station 5 Bariatric/Foregut

MODERATORS:

Judy Y. Chen, MD, FACS, *Seattle, WA*
Andrew J. Duffy, MD, FACS, *New Haven, CT*

Impact of Polypharmacy on Complication Rate in Bariatric Patients

Cristian Milla Matute, MD, Maria C. Fonseca, MD, Rene Aleman, MD, Luis Felipe Okida, MD, Cristina Vila Zarate, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS and Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Management of Anastomotic Leak after Bariatric Surgery at a Metabolic and Bariatric Surgery Center of Excellence

Anirudha Goparaju, MD, Raelina S. Howell, MD, Jun L. Levine, MD, FACS and Collin E. M. Brathwaite, MD, FACS. *New York University Winthrop Hospital, Mineola, NY*

Can Eating Habits Have a Role in the Selection of Operation Type in Morbid Obesity Surgery?

Ömer Günel, MD, Aylin Erdim, RN, PhD, Tevfik K. Uprak, MD, Sabri A. Karatas, MD and Muhammed S. Dalkilic, MD. *Marmara University Medical Faculty, İstanbul, Turkey*

Transversus Abdominis Release Herniorrhaphy Following Laparoscopic Sleeve Gastrectomy in Patients with Severe Obesity and Complex Ventral Hernias

David J. Morrell, MD, Ann M. Rogers, MD, FACS, Jerome R. Lyn-Sue, MD, FACS and Eric M. Pauli, MD, FACS. *Penn State Health Milton S. Hershey Medical Center, Hershey, PA*

Risk of Factors of Surgical Site Infections for Patients Who Underwent Bariatric Surgery. A Revision of ACS NSQIP® Database

Fernando Munoz Flores, MD, David M. Pechman, MD, David Weithorn, MD, Ruben D. Salas Parra, MD, Corin Kinkhabwala, ME, Robin H. Berk and Diego R. Camacho, MD, FACS. *Montefiore Medical Center, New York, NY*

Effects of One-Anastomosis-Gastric Bypass and Sleeve Gastrectomy on Type 2 Diabetes Miletus According to Its Severity Using a Standardized Surgery Score

Bassem M. Abou Hussein, MBBS, FACS. *Rashid Hospital-Dubai Health Authority, Dubai, United Arab Emirates*

Predictors of Postoperative Renal Insufficiency after Primary Bariatric Surgery: An Analysis of MBSAQIP

Zhamak Khorgami, MD, Laura E. Fischer, MD, MS, A. Daniel Guerron, MD and Geoffrey S. Chow, MD, FACS. *University of Oklahoma, Oklahoma City, OK, University of Oklahoma-Tulsa, Tulsa, OK, Duke University Medical Center, Durham, NC*

Comparison of Weight Loss and Postoperative Complications between Linear vs. Circular-Stapled Gastrojejunostomy in Laparoscopic Roux-en-Y Gastric Bypass

Matheus P. Netto, MPS, MD and Augusto Tinoco, ACA, MD, PhD, FACS, SAGES. *São José do Avaí Hospital, Itaperuna, Brazil*

Evaluation by the Bariatric Analysis and Reporting Outcome System (BAROS) Model of the Results of Patients with One Postoperative Year of Gastric Sleeve and Bypass for the Treatment of Obesity

Francisco J. Parada Gallardo, MD. *IMSS, Zapopan, Mexico*

Does the Hispanic Paradox Exist in Bariatric Surgery? A Single-Institutional Experience in Southwestern U.S.

Alfonso E. Ayala, Amlish B. Gondal, MD, Eric M. Hines, Matthew E. Mobily, MD and Iman Ghaderi, MD, MSc, MHPE, FACS, FASMB. *University of Arizona College of Medicine, Tucson, AZ*

Prolonged Operation Time Adversely Affects Outcomes in Bariatric Surgery

David Weithorn, MD, David M. Pechman, MD, Corin Kinkhabwala, Robin H. Berk, Fernando Munoz Flores, MD, Ruben D. Salas Parra, MD and Diego R. Camacho, MD, FACS. *Montefiore Medical Center, Bronx, NY, Albert Einstein College of Medicine, Bronx, NY*

Long-Term Weight Gain after Gastric Bypass: Causes, Characteristics, and Outcomes in Patients Presenting for Revisional Surgery

Julio Teixeira, MD, FACS, Dimitar Ranev, MD, Poppy Addison, MD and Filippo Filicori, MD. *Lenox Hill Hospital, New York, NY*

Venous Thromboembolism in Bariatric Surgery—Assessment of Risk Factors Using the ACS NSQIP® Database

David M. Pechman, MD, Fernando Munoz Flores, MD, David Weithorn, MD, Ruben Salas Parra, MD, Corin Kinkhabwala, Robin H. Berk and Diego R. Camacho, MD, FACS. *Montefiore Medical Center, Bronx, NY*

Comparison between Two Reinforcing Stapling Line Techniques in Sleeve Gastrectomy: Leaking, Bleeding, and Stenosis Rates

Matheus P. Netto, MPS, MD and Augusto Tinoco, ACA, MD, PhD, FACS, SAGES. *São José do Avaí Hospital, Itaperuna, Brazil*

Extraction Bags Provide No Benefit When Compared to Simple Extraction for Laparoscopic Sleeve Gastrectomy Stomach Retrieval

John P. Kuckelman, DO, Jason R. Bingham, MD and Matthew J. Eckert, MD, FACS. *Madigan Army Medical Center, Tacoma, WA*

Station 6

Trauma and Critical Care

MODERATORS:

Millard A. Davis, MD, FACS, *Houston, TX*

John C. Mayberry, MD, FACS, *Ketchum, ID*

Meta-Analysis of AKI-CKD Transition in Perioperative Patients

Pedro Abdala, Elizabeth Swanson and Michael Hutchens, MD, MA. *Oregon Health and Science University (OHSU), Portland, OR*

Did the Affordable Care Act Reach Penetrating Trauma Patients?

Sharven Taghavi, MD, Sudesh Srivastav, PhD, Danielle Tatum, PhD, Alison A. Smith, MD, PhD, Chrissy Guidry, DO, Patrick McGrew, MD, Charles Harris, MD, Rebecca W. Schroll, MD, FACS and Juan C. Duchesne, MD, FACS. *Tulane University School of Medicine, New Orleans, LA, Our Lady of the Lake Regional Medical Center, Baton Rouge, LA*

The Protective Effects of Oridonin on Intestinal Epithelial Cells by Suppressing TNF α -Induced Inflammation and Epithelial-Mesenchymal Transition

Claire Cummins, MD, Xiaofu Wang, Yangping Gu, Xiang Fang, MD, PhD and Ravi Radhakrishnan, MD, FACS. *University of Texas Medical Branch, Galveston, TX*

Is MRI Becoming the New CT for Cervical Spine Clearance? Trends in MRI Utilization at a Level I Trauma Center

Raymond Huang, MD, Navpreet K. Dhillon, MD, Nicholas P. Rottler, MD, Andrew Wang, MD, Rodrigo F. Alban, MD, FACS, Eric J. Ley, MD, FACS, Daniel R. Margulies, MD, FACS and Galinos Barmparas, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

Mapping Disparities Using a Geospatial Approach to Evaluate Surgical and Trauma Access in Virginia

James M. Dittman, Olivia S. Lee, Andrew A. Alberter, Taylor H. Jacobs and Edgar B. Rodas, MD, FACS. *Virginia Commonwealth University School of Medicine, Richmond, VA*

Evaluating the Safety of Low Molecular Weight Heparin for Thromboprophylaxis in Traumatic Brain Injury

Ansab A. Haider, MD, Kartik Prabhakaran, MD, FACS, Asad Azim, MD and Jorge Con, MD, FACS. *Westchester Medical Center, Valhalla, NY*

Nationwide Analysis of Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) in Elderly Trauma Patients

Bardiya Zangbar Sabegh, MD, Daniel Gross, MD, Leon Boudourakis, MD, FACS, Tim Schwartz, DO, FACS and Valery Roudnitsky, MD, FACS. *State University of New York (SUNY) Downstate Medical Center, Brooklyn, NY, Kings County Hospital, Brooklyn, NY*

Predictors of Operative Rates and Mortality Rates in Bladder Injury Patients: An Analysis of the National Trauma Data Bank

Kailash Pendem, Saleh M. M. Rahman, MD, PhD, MPH, Mark A. Rich, MD and Hubert S. Swana, MD. *University of Central Florida College of Medicine, Orlando, FL, Arnold Palmer Hospital for Children, Orlando, FL*

Predicting Surgical Intervention in Pneumatosis Intestinalis

Christina Y. Liu, Manuel Castillo-Angeles, MD, MPH, Mehreen T. Kisat, MBBS, Mahsa Shariat, MD, Deepika Nehra, MD and Reza Askari, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Mortality in Blunt Chest Trauma Depends on the Severity of Head Injury: A Single-Centre Proportional Hazards Analysis

Warren Sun, MD, Jenna Beck, RN, MN, NP and Ram V. Anantha, MD, MSc. *University of Alberta, Edmonton, AB, Canada, Royal Alexandra Hospital, Edmonton, AB, Canada*

Incidence and Risk Factors of Cervical Vascular Injuries Following Blunt Mandible Fractures

Nasim Ahmed, MBBS, FACS, Patricia Greenberg, MS and Kayvon Haghighi, MD, FACS. *Jersey Shore Medical Center, Neptune, NJ*

A Systematic Review and Meta-Analysis of Ligation vs. Repair of Inferior Vena Cava (IVC) Injuries

Saskya Byerly, MD, MS, Leonardo Tamariz, MD, MPH, Eugenia Lee, MD, MPH, Joshua Parreco, MD, Christopher D. Barrett, MD, Zsuzsanna Nemeth, MS, Ana Palacio, MD, MPH, Kenneth Stahl, MD, FACS, Nicholas Namias, MD, MBA, FACS and Gregory A. Magee, MD, MSc. *Ryder Trauma Center, Miami, FL, University of Miami, Miller School of Medicine, Miami, FL, Beth Israel Deaconess, Boston, MA, University of Southern California, Los Angeles, CA*

Trauma Centers Near the U.S.-Mexico Border: What Are the Challenges?

Christopher Gonzales, MD, Kamil Hanna, MD, Lynn M. Gries, MD, FACS, Muhammad Zeeshan, MD, Lourdes Castanon, MD, Terence O'Keefe, MD, FACS, Narong Kulvatunyou, MD, Mohammad K. Hamidi, MD, Andrew L. Tang, MD, FACS and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

SP115 | 2:30-4:00 pm

e-Posters II

LOCATION: MS 201-203

Station 1

Breast and Endocrine Surgery

MODERATORS:

Mehra Golsham, MD, FACS, *Boston, MA*

Lindsay Kuo, MD, MBA, *Philadelphia, PA*

Hypermutation in Breast Cancer: A Potential Marker for Immunotherapy?

Hideo Takahashi, MD, Mariko Asaoka, MD, PhD and Kazuaki Takabe, MD, PhD, FACS. *Roswell Park Comprehensive Cancer Center, Buffalo, NY*

Do Race and Ethnic Disparities in Age of Breast Cancer Diagnosis Persist While Controlling for Socioeconomic Status?

Hayoung Park, MD, Ashkan Moazzez, MD, MPH, FACS, Junko J. Ozao-Choy, MD, FACS and Christine E. Dauphine, MD, FACS. *Harbor-UCLA Medical Center, Torrance, CA*

Validity and Safety of Omission of Axillary Lymph Node Dissection after Neoadjuvant Chemotherapy for Node-Positive Primary Breast Cancer

Akiko Matsumoto, MD, PhD, Yasuko Umemoto, MD and Hiromitsu Jinno, MD, PhD. *Teikyo University School of Medicine, Tokyo, Japan*

Hormonal Contraceptive Use in Adolescents with Macromastia Is Not Associated with Severity of Breast Hypertrophy

Laura C. Nuzzi, Tannishtha Pramanick, Joseph M. Firriolo, MD, Catherine T. McNamara, and Brian I. Labow, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA, University of California, Davis Medical Center, Sacramento, CA*

What Comes Next? A Cohort Profile of Women Who Have Undergone BRCA1 and BRCA2 Testing in Ontario, Canada

Fahima Dossa, MD, Tari Little, Kelly Metcalfe, PhD, Rinku Sutradhar, PhD, Jordan Lerner-Ellis, PhD, Wendy Meschino, MD, Andrea Eisen, MD and Nancy N. Baxter, MD, PhD. *University of Toronto, Toronto, ON, Canada*

Lipofilling after Breast-Conserving Surgery: A Comprehensive Literature Review Investigating Its Oncologic Safety

Stephanie M. Cohen, Yurie Sekigami, MD, Theresa Schwartz, MD, FACS, Albert Losken, MD, FACS, Julie A. Margenthaler, MD, FACS and Abhishek Chatterjee, MD, MBA. *Tufts University School of Medicine, Boston, MA, Tufts Medical Center, Boston, MA, St. Louis University Hospital, St. Louis, MO, Emory University Hospital, Atlanta, GA, Barnes-Jewish Hospital, Washington University Hospital, St. Louis, MO*

Factors Associated with Breast Cancer Radiation Treatment Quality Measures-Study of a Single Institution

Andrew H. Nguyen, MD, Kelli Olsen, MS, Arya Amini, MD, Kimlin Tam Ashing, PhD and Lily L. Lai, MD, FACS. *City of Hope, Duarte, CA*

Is Breast Surgery a Dying Specialty?

Thais Fortes, MD, Tessa Meyer, MD, Kristin Rojas, MD and Patrick Borgen, MD. *Maimonides Medical Center, Brooklyn, NY*

Surgical Treatment of Breast Asymmetry Improves Quality of Life in Adolescents and Young Women

Laura C. Nuzzi, Joseph M. Firriolo, MD and Brian I. Labow, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA, University of California, Davis Medical Center, Sacramento, CA*

A Prospective Cohort Study to Analyze the Interaction of Tumor vs. Breast Volume in Breast Conservation Therapy and Mastectomy with Reconstruction Patients

Melissa A. Thornton, Utku Dolen, MD, Elizabeth Odom, MD, Marissa Tenenbaum, MD, Amy Cyr, MD, FACS, Yan Yan, MD, PhD, Julie A. Margenthaler, MD, FACS and Terry Myckatyn, MD, FACS. *Washington University in St. Louis, School of Medicine, St. Louis, MO*

Sequence of Chemotherapy Administration Is Not Associated with Recurrence Free Survival (RFS) in Patients with Triple-Negative Breast Cancer Who Undergo Surgical Resection

Rutvi Patel and Deborah E. Farr, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Preoperative Calcium and Parathyroid Hormone Levels Affect Dual Energy Computed Tomography (DECT) and Conventional Preoperative Localization Studies in Patients with Primary Hyperparathyroidism

Daniel B. Lustig, MD, MSc, Michael Y. Guo, Jake Hiebert, MD, Elizaveta Vasilyeva, MD, Jennifer Li, MD and Sam M. Wiseman, MD, FACS. *University of British Columbia, Vancouver, BC, Canada, Vancouver General Hospital, Vancouver, BC, Canada, St. Paul's Hospital, Vancouver, BC, Canada*

Preoperative Difficulty Index for Thyroidectomy (PreoDIT): A Novel Preoperative Roadmap

Talat Waseem, MD, FRCS and Khwaja M. Azim, FRCS. *Shalamar Medical & Dental College, Lahore, Pakistan*

Pilot Study to Evaluate Prognostic and Predictive Markers of PRRT Response in NET Patients

Sherene G. Lattimore, Nicholas J. Skill, PhD, JD, Mark Tann, MD and Mary A. Maluccio, MD, MHS, FACS. *Indiana University, Indianapolis, IN*

Anatomical Study of Insertion of Recurrent Laryngeal Nerve into Larynx

James Wu, MD, Martin Hanson, MD, Shivangi Lohia, MD, Hao Li, MD, Laura Wang, MD, Ashok R. Shaha, MD, FACS and Ian Ganly, MD. *Memorial Sloan Kettering Cancer Center, New York, NY*

Station 2

Surgical Education

MODERATORS:

Cullen Carter, MD, FACS, Boston, MA

Please see addendum and Clinical Congress App.

Integrative vs. Dedicated Approaches to Achieving Academic Competencies in Surgical Training: Implications on Workforce Planning

David Robinson, MB, ChB, MRCS, Wyn G. Lewis, MD, DSc, FRCS and Arfon G. Powell, MBChB. *Health Education and Improvement Wales, Cardiff, United Kingdom, Cardiff University, Cardiff, United Kingdom*

Is the Informant Adequately Informed? Attitudes Regarding the Informed Consent Discussion

Sarah B. Jochum, MD, Mandakini Venkatramani, MD, Joanne Favuzza, DO, Dana M. Hayden, MPH, MD, FACS, FASCRS, Theodore J. Saclarides, MD, FACS, FASCRS and Anuradha R. Bhamra, MD, FACS, FASCRS. *Rush University Medical Center, Chicago, IL*

General Surgery Resident Self-Efficacy in Multidisciplinary Management of Breast Cancer

Ko Un Park, MD, Xiaodong (Phoenix) Chen, PhD, Amalia L. Cochran, MD, FACS, Alan E. Harzman, MD, FACS, Chengli Shen, MD, PhD and Megan Gregory, PhD. *The Ohio State University Wexner Medical Center, Columbus, OH*

The Certificate in Academic Surgery: A Longitudinal Peer-Guided Program for Undergraduate Surgical Education

Drew W. Goldberg, Alexander Warshauer, MD, Dennis F. Hiller, RN, Thane A. Blinman, MD, FACS, Cary B. Aarons, MD, FACS, Jon B. Morris, MD, FACS and Ari D. Brooks, MD, FACS. *Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, Hospital of the University of Pennsylvania, Philadelphia, PA, Children's Hospital of Philadelphia, Philadelphia, PA*

Practice Makes Perfect: Using a Question Bank for American Board of Surgery In-Training Examination (ABSITE) Preparation Improves Performance

Alison O. Flentje, MD, Ilaria Caturegli and Stephen M. Kavic, MD, FACS. *University of Maryland Medical Center, Baltimore, MD, University of Maryland School of Medicine, Baltimore, MD*

The Impact of Robotic Cholecystectomy on Resident Education

Kirollos Malek, MD, Sirivan S. Seng, MD, Jenny H. Chang, Jukes P. Namm, MD, FACS and Sharon S. Lum, MD, FACS. *Loma Linda University, Loma Linda, CA*

Good Patient Care or Death by Pager: An Analysis of Pediatric Surgery On-Call Resident Nighttime Communication

Raphael Parrado, MD, David M. Notrica, MD, FACS, FAAP, and Mark S. Molitor, Jr, MD, FACS. *Phoenix Children's Hospital, Phoenix, AZ*

Defining the Neuropsychological Characteristics of Surgical Interns

Nicholas E. Anton, MS, John R. Martin, MD, Elizabeth M. Huffman, MD, Brienne L. Nickel, MA, C-TAGME, Louis A. Perkins, Nicole K. Lee, MD, EdM, FACS, Maurissa Abecassis, PhD, Jennifer N. Choi, MD, FACS and Dimitrios Stefanidis, MD, PhD, FACS, FASMBS, FSSH. *Indiana University School of Medicine, Indianapolis, IN*

Successful Implementation of a Process to Eliminate Latex Glove Use in the Operating Room

Dorothy V. Rocourt, MD, FACS and Danielle Peterson, MD. *Penn State Children's Hospital, Hershey, PA*

The Surgical Blog: An Important Supplement to Traditional Scientific Literature

Jane Y. Zhao, MD, MS and Minerva A. Romero Arenas, MD, MPH. *University at Buffalo, Buffalo, NY, The University of Texas Rio Grande Valley School of Medicine, Edinburg, TX*

A Longitudinal Cadaver-Based Simulation Curriculum Creates Sustainable Increases in Resident Confidence and Exposure to Fundamental Techniques: Results of a 5-Year Program Evaluation

Brendan P. Lovasik, MD, Steven C. Kim, MD, Vivian L. Wang, MD, Keith A. Delman, MD, FACS and Jahnvi K. Srinivasan, MD, FACS. *Emory University, Atlanta, GA, 1364 Clifton Road NE, Atlanta, GA*

Away Rotations in General Surgery: To Do or Not to Do? A Pilot Study

Amanda Phares, MD, David Leshikar, MD, FACS, Candice A. Sauder, MD, MEd, FACS, Edgardo S. Salcedo, MD, FACS, Chetan Irwin, MD and Ho H. Phan, MD, FACS. *University of California, Davis, Sacramento, CA*

Extremity Tourniquet Workshop Evaluation during the XI Spanish Medical Education Congress

Carlos Yáñez Benítez, MD, FACS, Antonio Güemes, MD, FACS, Ana Navarro, MD, Teofilo Lorente Aznar, MD, Juan Luis Blas, MD, Koji Morishita, MD, PhD, FACS and Pablo Ottolino, MD, FACS. *SALUD/Royo Villanova Hospital, Zaragoza, Spain, SALUD/Lozano Blesa University Hospital, Zaragoza, Spain, SALUD /Ernest Lluch Martiní Hospital, Calatayud, Spain, SALUD /Jaca Health Center, Huesca, Spain, Tokyo Medical and Dental University, Tokyo, Japan, Hospital Dr. Sótero del Río, Santiago, Chile*

Surgical Resident Financial Management and Missed Opportunities: Assessment of Roth IRA as a Metric for Lost Asset Appreciation

James Barrett, MD, Daniel P. McCarthy, MD, MBA, MEM, Bruce Harms, MD, MBA, FACS and Sarah Tevis, MD. *University of Wisconsin, Madison, WI, University of Colorado Denver, Aurora, CO*

Station 3

Hepatobiliary and Pancreas

MODERATORS:

Thomas E. Clancy, MD, FACS, *Boston, MA*

Please see addendum and Clinical Congress App.

The Role of Magnetic Resonance

Cholangio-Pancreatography (MRCP) in the Management of Post-Cholecystectomy Syndrome

Martin Michel, MRCS, Ahmed Saleh, MRCS, Rehman Sayed, Mark Peter, MD, FRCS, Brian M. Dobbins, FRCS and Arin Saha, MD, FRCS. *Huddersfield Royal Infirmary, Huddersfield, United Kingdom*

Trends and Outcomes of Various Techniques of Hepatic Ablation: NIS Database (2013-15)

Mohamed Raafat, MSc, Indraneil Mukherjee, MD, MBBS, Seleshi Demissie, DrPH, Lisa Y. Shimotake, MD and Karen Gibbs, MD, FACS. *Staten Island University Hospital, Staten Island, NY, American University of the Caribbean School of Medicine, Pembroke Pines, FL*

A Diagnosis of Depression Is Associated with Readmission Following Elective Pancreatectomy

George Molina, MD, Naomi M. Sell, MD, Cristina R. Ferrone, MD, FACS, Carlos F. Fernandez-del Castillo, MD, FACS, Keith D. Lillemoe, MD, FACS and Motaz Qadan, MD, FACS. *Massachusetts General Hospital, Boston, MA*

The Application of Robotic Surgery for Hepato-Pancreatico-Biliary Disease in a Single Center: Experience of 3000 Cases

Rong Liu, MD, PhD. *Chinese PLA General Hospital, Beijing, China*

Laparoscopic Distal Pancreatectomy for Left-Sided Pancreatic Cancer

Yusuke Ome, MD, FACS. *Komagome Hospital, Tokyo, Japan*

Impairment of Fibrinogen Deposition during Early Liver Regeneration Leads to Adverse Outcome after Liver Resection in Humans

David Pereyra, MD, Jenifer Fuxsteiner, Christoph Köditz, Benedikt Rumpf, Sofya Gabbassova, Thomas Grünberger, MD and Patrick Starlinger, MD, PhD. *Medical University of Vienna, Vienna, Austria, Kaiser Franz-Joseph Hospital, Vienna, Austria*

Sarcopenic Obesity Promotes Invasive Carcinomas in Patients with IPMN or PANin

Sebastian Wisiak, MD, Doris Wagner, MD, FEBS, James E. Waha, MD, Peter Kornprat, MD, FEBS, FRCS, Georg Werkgartner, MD and Hans Jörg Mischinger, MD, FEBS, FRCS. *Medical University of Graz, Graz, Austria*

Laparoscopic Parenchymal Sparing Hepatectomy: Feasibility, Efficacy and Cumulative Sum Control Chart (CUSUM) Analysis of Laparoscopic Right Posterior Resection (LRP) to Laparoscopic Right Lobectomy (LRL)

Sukreet Raju, MD, Alexandros Flaris, MD, James R. Korn-dorffer, Jr., MD, MHPE, FACS, Joseph F. Buell, MD, MBA, FACS and Douglas P. Slakey, MD, FACS. *Tulane University School of Medicine, New Orleans, LA, Stanford University, Palo Alto, CA, Advocate Health Care, Oak Lawn, IL*

Clinical Significance of Transcription Factor BCLAF1 on Proliferation and Invasion of Pancreatic Cancer Cells

Jiong Chen, MD. *Anhui Provincial Hospital, Hefei, Anhui Province, China*

Liver Regeneration after Open and Laparoscopic Left Partial Hepatectomy Considering the Fungal Translocation to the Remnant Liver

Konstantinos S. Mamas, MD, MSc, PhD and Nick Kavantzias, MD, PhD. *National and Kapodistrian University of Athens, Athens, Greece*

Conversion during Laparoscopic Hepatectomy Is Not Inferior to Initial Open Procedure: Based on Latest Five-Year Data in a High-Volume Laparoscopic Center

Long Pan, MD, Yifan Wang, FACS and Xiujun Cai, FACS. *Sir Run Run Shaw Hospital, Zhejiang University, Hangzhou, China*

Prognostic Utility of Albumin-Bilirubin Grade for Short- and Long-Term Outcomes Following Hepatic Resection for Intrahepatic Cholangiocarcinoma: A Multi-Institutional Analysis of 706 Patients

Diamantis I. Tsilimigras, MD, J. Madison Hyer, MS, Dimitrios Moris, MD, PhD, Fabio Bagante, MD, Anghela Z. Paredes, MD, MS and Timothy M. Pawlik, MD, MPH, PhD, FACS. *Ohio State University Wexner Medical Center, Columbus, OH*

Station 4

Surgical Oncology

MODERATORS:

Genevieve M. Boland, MD, PhD, FACS, *Boston, MA*
Kenneth Cardona, MD, FACS, *Atlanta, GA*

Association between Surgical Approach and Survival Following Resection of Abdominopelvic Malignancies

Tarik Yuce, MD, Ryan Ellis, MD, MS, Ryan Merkow, MD, MS, Anthony Yang, MD, FACS, Nathaniel Soper, MD, FACS, Karl Y. Bilimoria, MD, FACS and Gregory Auffenberg, MD. *Northwestern Memorial Hospital, Chicago, IL*

Different Impact by Gender of Preoperative Skeletal Muscle Mass on Short- and Long-Term Outcomes of Gastric Cancer Patients Undergoing Gastrectomy

Katsunobu Sakurai, MD, PhD, Naoshi Kubo, MD, PhD, Yutaka Tamamori, MD, PhD and Kiyoshi Maeda, MD, PhD. *Osaka City General Hospital, Osaka City, Japan*

Limits of Clinical Parameters to Identify Low-Risk Thyroid Carcinoma Eligible for Active Surveillance, a TCGA Analysis

Emmanuelle M. Ruiz, PhD, PharmaD and Emad Kandil, MD, FACS. *Tulane University School of Medicine, New Orleans, LA*

Quality Assurance Compound Level Metrics in Oesophagogastric Cancer Surgery: Proof by Prognosis Rather Than Postoperative Mortality

Arfon G. Powell, PhD, MRCS, David Robinson, MB, ChB, MRCS, Chris Brown, MBBCh, MRCS, Luke Hopkins, MB, ChB, MRCS, Richard J. Egan, MD, FRCS and Wyn G. Lewis, MD, DSc, FRCS. *Cardiff University, Cardiff, United Kingdom, Health Education and Improvement Wales, Cardiff, United Kingdom*

Tumor Ablation by Irreversible Electroporation (IRE) Augments CTLA-4 Checkpoint Inhibitor Immunotherapy

Joseph R. Slaughter, Brandon J. Burbach, PhD, Stephen D. O'Flanagan, Meagan R. Rollins, Katharine M. Young, Meredith Song, Qi Shao, PhD, Samira M. Azarin, PhD, John C. Bischof, PhD and Yoji Shimizu, PhD. *Masonic Cancer Center, University of Minnesota Medical School, Minneapolis, MN*

Predictors of Recurrence in Vasoactive Intestinal Peptide Secreting Tumors of Pancreas

Natesh Yepuri, MBBS, Rana Naous, MD and Mashaal Dhir, MBBS. *State University of New York (SUNY) Upstate Medical University, Syracuse, NY*

Biliary and Pancreatic Stricturoplasty for Recurrent Stricture after Hepaticojejunostomy and Pancreaticojejunostomy

Justin Muste, Grant N. Schalet and Ankesh Nigam, MD, FACS. *Albany Medical Center, Albany, NY*

A National Comparative Analysis of Survival after Recurrence of Colon and Rectal Cancer

Syed Nabeel Zafar, MD, MHS, Rebecca Snyder, MD, MHS, Chung-Yuan Hu, MPH, PhD, Amanda Francescatti, MS, Katherine Van Loon, MD, MPH and George J. Chang, MD, FACS. *MD Anderson Cancer Center, Houston, TX, East Carolina University, Greenville, NC, American College of Surgeons, Chicago, IL, University of California, San Francisco, San Francisco, CA*

Disparities in the Treatment of Liver Cancer: An ACS NSQIP® Analysis to Evaluate How Race Affects Oncologic Management

Florencia Rojas-Miguez, MD, MPH, Ayokunle Olowofela, MD, Victor Vakayil, MBBS, MS, MPH, Bejon Maneckshana, MD and Oscar Serrano, MD. *University of Connecticut School of Medicine, Farmington, CT, University of Minnesota Medical School, Minneapolis, MN, Hartford Hospital, Transplant & Comprehensive Liver Center, Hartford, CT*

Type I Interferon Signaling Contributes to Antitumor Immune Response and Is Reduced by Imatinib in Gastrointestinal Stromal Tumor (GIST)

Mengyuan Liu, MD, Benjamin Medina, MD, Gerardo Vitiello, MD, Mark Etherington, MD and Ronald DeMatteo, MD, FACS. *University of Pennsylvania, Philadelphia, PA, New York University, New York, NY*

Melanoma without Sentinel Lymph Node Involvement: Patients Have Increased Risk of Recurrence Detected by Decision Dx-Melanoma

Nicolas Aguila and Paul Toomey, MD, FACS. *Florida State University College of Medicine, Tallahassee, FL*

Role of Stroma in Modulating Immune Checkpoint Blockade on T-Cells in Pancreatic Cancer

Prateek Sharma, MD, Bharti Garg, PhD, Anthony Ferrantella, MD, Vrishketan Sethi, MBBS, Saba Kurtom, MD, Sundaram Ramakrishnan, PhD, Rajinder Dawra, PhD, Eli Gilboa, PhD, Ashok Saluja, PhD and Vikas Dudeja, MD. *University of Miami, Miami, FL*

Station 5

Colon and Rectal Surgery

MODERATORS:

Andrea C. Bafford, MD, FACS, *Baltimore, MD*
Christian H. Corwin, MD, FACS, *Weymouth, MA*

Preoperative Opioid Use in Patients Undergoing Surgical Resection for Treatment of Rectal Cancer

Maureen V. Hill, MD, Eileen A. O'Halloran, MD, MS, Sanjay S. Reddy, MD, FACS, Elin R. Sigurdson, MD, FACS and Jeffrey Farma, MD, FACS. *Fox Chase Cancer Center, Philadelphia, PA*

Fistulotomy with Marsupialisation vs. VAAFT in Treatment of Simple Anal Fistulas

Marko Zelic, MD, Damir Karlovic, MD, Dorian Krsul, MD and Đordano Bacic, MD. *University Hospital Rijeka, Rijeka, Croatia*

Predictors and Consequences of Unplanned Conversion to Open during Robotic Colectomy: An American College of Surgeons (ACS) National Surgical Quality Improvement Project (NSQIP®) Database Analysis

John D. Vossler, MD, MS, MBA, Nicholas H. Yim, Gregory J. Harbison, MS and Kenric M. Murayama, MD, FACS. *University of Hawaii, Honolulu, HI*

23-Hour Overnight Observation Colectomy Feasibility Study

Adam Studniarek, MD, Daniel J. Borsuk, Kunal Kochar, MD, FACS, John J. Park, MD, FACS, FASCRS and Slawomir J. Marecik, MD, FACS, FASCRS. *Advocate Lutheran General Hospital, Park Ridge, IL, University of Illinois at Chicago, Chicago, IL*

Transabdominal Re-Do Pouch for Failed Minimally Invasive vs. Open Ileal Pouch-Anal Anastomosis

H. Hande Aydinli, MD, Eren Esen, MD, Erman Aytac, MD, H. Tarik Kirat, MD, FACS, David M. Schwartzberg, MD, FACS and Feza H. Remzi, MD, FACS. *New York University Langone Health, New York, NY, Acibadem Mehmet Ali Aydinlar University, Istanbul, Turkey*

Patterns of Care in Patients with Asymptomatic Stage IV Colon Cancer in the U.S.: There Is Room for Improvement

Xiang Gao, MD, Paolo Goffredo, MD, Amanda R. Kahl, MPH, Anna Beck, MD, Jennifer Hrabe, MD, Imran Hassan, MBBS, FACS and Mary E. Charlton, PhD. *University of Iowa, Iowa City, IA*

What's in a Name? Investigating Reporting of a Complete Pathologic Response in Rectal Cancer from the National Cancer Database (NCDB)

Thais Reif de Paula, MD, Deborah S. Keller, MD, Prakash Gorroochurn, PhD, James M. Kiely, MD, FACS and Ravi P. Kiran, MD. *Columbia University Medical Center, New York, NY*

Inflammatory Bowel Disease in Patients with Locally Advanced Rectal Cancer Should Not Preclude Neoadjuvant Therapy

Mariane Gouvea Monteiro de Camargo, MD, Sudha Amarnath, MD, Michael A. Valente, MD, FACS, FASCRS, Hermann P. Kessler, MD, PhD, FACS, Sherief Shawki, MD, Emre Gorgun, MD, FASCRS, FACS, Tracy L. Hull, MD, FACS, Matthew F. Kalady, MD, FACS, Scott R. Steele, MD, FACS, FASCRS and David Liska, MD, FACS. *Cleveland Clinic Foundation, Cleveland, OH*

Pain Control for Laparoscopic Colectomy: Interim Analysis of a Prospective Randomized Controlled Trial of Liposomal Bupivacaine Transverse Abdominis Plane Block vs. Intravenous Lidocaine

Kathryn A. Schlosser, MD, Otto N. Thielen, Sean R. Maloney, MD, Tanushree Prasad, MA, Bradley R. Davis, MD, FACS and Kevin R. Kasten, MD, FACS. *Carolinas Medical Center, Charlotte, NC*

Intracorporeal vs. Extracorporeal Ileocolic Anastomosis in Right Colon Resection. A Systematic Review and Meta-Analysis

Agon Kajmolli, MD, Mahir Gachabayov, MD, Hanjoo Lee, MD and Roberto C. Bergamaschi, MD, PhD, FACS, FASCRS. *Westchester Medical Center, Valhalla, NY*

The Combined High Expression of PUMA and Ki-67 with Low Expression of p53 Are Independent Unfavourable Prognostic Indicators for Both the Overall Survival (OS) and Cancer-Specific Survival (CSS) in Resectable Colorectal Adenocarcinomas

Alexandros Mekras, MD, MSc, PhD, FICS, Matthaios Bobos, MD, PhD, Alexandra Vasilakou, MD, MSc, Cem Atamer, MD, PhD, Georgios Tsoulfas, MD, PhD, FACS, FICS, Dimosthenis Mekras, MD, MSc, PhD, FICS, Vasileios Kalles, MD, PhD and Antonios Michalopoulos, MD, PhD. *Saint Elisabeth Hospital, Bernkastel/Wittlich, Germany, Microdiagnostics Cytopathology and Molecular Laboratory, Thessaloniki, Greece, Aristotle University of Thessaloniki, Thessaloniki, Greece*

Intra-Vital Imaging Demonstrates Robust Recruitment of Neutrophils after Irreversible Electroporation Tissue Ablation

Maya A. Lopez-Ichikawa and Tammy T. Chang, MD, PhD, FACS. *University of California, San Francisco, San Francisco, CA*

Station 6

Trauma, Burn, and Critical Care

MODERATOR:

Joseph S. Fernandez-Moure, MD, *Philadelphia, PA*

Enhanced Recovery after Surgery and Multimodal Pain Management in Burn Surgery

Jenna M. Rimko, DO. *Allegheny General Hospital, Pittsburgh, PA, West Penn Hospital, Pittsburgh, PA*

Blunt and Penetrating Traumatic Pulmonary Pseudocyst: Different Clinical Entities

Genna Beattie, MD, Caitlin Cohan, MD, Eric Yasumoto, MD and Gregory P. Victorino, MD, FACS. *University of California, San Francisco-East Bay, Oakland, CA, Highland Hospital, Oakland, CA*

Are Race and Insurance Status Associated with Mortality in Older Adults with Isolated Traumatic Brain Injury? A Trauma Quality Improvement Program Analysis

Derek M. Freitas, MD, Elizabeth Warnack, MD, Charles DiMaggio, PhD, MPH, H. Leon Pachter, MD, FACS, Spiros Frangos, MD, FACS, Marko Bukur, MD, FACS, Michael Klein, MD and Cherisse D. Berry, MD, FACS. *New York University Langone Health and Bellevue Hospital Center, New York, NY*

Stop the Bleed® Training Outreach Initiatives Targeting High School Students in South Florida: It Takes a Community to Save a Life

Adel Elkbuli, MD, Mark G. McKenney, MD, FACS, Dessislava V. Boneva, MD, FACS and Shaikh A. Hai, MBBS, FACS. *Kendall Regional Medical Center, Miami, FL*

Does Time of Day Influence Admission Level of Care for Blunt Trauma Patients?

Usman Siddiqui, MBBS, Brendan R. Gontarz, MD, Constantine Poulos, MD, Laura Lamb, MD, Nicholas Costanzo, MD, David S. Shapiro, MD, FACS and Vijay Jayaraman, MD, FACS. *St. Francis Hospital and Medical Center, Hartford, CT, University of Connecticut School of Medicine, Farmington, CT, Yale School of Medicine, New Haven, CT*

Rib Plating the Non-Flail Chest May Not Be as Good as You Think

Zaid Haddadin, MD, Kamil Hanna, MD, Lourdes Castanon, MD, Muhammad Zeeshan, MD, Michael Ditillo, DO, FACS, Andrew Tang, MD, FACS, Lynn M. Gries, MD, FACS, Mohammad K. Hamidi, MD, Narong Kulvatunyoo, MD, FACS and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Burden of Traumatic Injuries in Rural Sierra Leone after Road Paving

Umaru Barrie, Vennila Padmanaban, MD, Samba Jalloh, MD and Ziad C. Sifri, MD, FACS. *University of Massachusetts, Worcester, MA, College of Medicine and Allied Health Sciences, University of Sierra Leone, Freetown, Sierra Leone, Rutgers New Jersey Medical School, Jersey City, NJ*

Disparities in Rehab Placement for Victims of Violence

Megan G. Janeway, MD, Stephanie Talutis, MD, MHS, Ella Cornell, Nina Jreige, Victoria Liang, Sabrina Sanchez, MD, MPH, FACS, Lisa Allee, MSW LICSW, Timothy Munzert, MSW LCSW and Tracey Dechert, MD, FACS. *Boston Medical Center, Boston, MA*

Deceased Donor Organ Transplantation Rates Following Blunt and Penetrating Head Trauma

Krishnaraj Mahendraraj, MD and Guillermo Medrano del Rosal, MD. *Lincoln Medical and Mental Health Center, New York, NY*

Trauma Centers Transition from Level 2 to Level 1:

Are They Prepared Enough?

Sung Huang Laurent L. Tsai, MD, Greg M. Osgood, MD, FACS, Joseph K. Canner, MHS and Elliott R. Haut, MD, PhD, FACS. *Johns Hopkins Bloomberg School of Public Health, Johns Hopkins Bloomberg School of Medicine, Baltimore, MD*

Older (85+) Traumatic Brain Injury Patients Have Lower Rates of Functional Independence after Acute Rehabilitation
Seth Westerman, DO, Jyoti Sharma, MD, MHS and Yen-Hong Kuo, PhD. *Hackensack University Medical Center, Hackensack, NJ, Hackensack University Medical Center, Neptune, NJ*

Natural History of Patients Undergoing Therapeutic Endoscopies for Acute Gastrointestinal Bleeding

Leen Khoury, MD, Patrick Tobin-Schnittger, MD, Nicholas Champion, MD, Vasiliy Sim, MD, Asaf Gave, MD, FACS, Samuel Hawkins, MD, Melissa Panzo, RN and Stephen Cohn, MD. *Northwell Health at Staten Island University Hospital, Staten Island, NY*

Prospective Evaluation of Factors Contributing to Racial Disparities in Outcomes after Trauma

Joseph Richards, MS, Kamil Hanna, MD, Lynn M. Gries, MD, FACS, Muhammad Zeeshan, MD, Andrew L. Tang, MD, FACS, Michael Ditillo, DO, FACS, Mohammad K. Hamidi, MD, Ashley Northcutt, MD, Lourdes Castanon, MD and Bellal Joseph, MD, FACS. *University of Arizona, Tucson, AZ*

Tuesday, October 29

SP210 | 9:45-11:15 am

e-Posters III

LOCATION: MS 201-203

Station 1

General Surgery (Hernia)

MODERATORS:

Matthew I. Goldblatt, MD, FACS, *Milwaukee, WI*

John R. Porterfield, Jr., MD, FACS, *Birmingham, AL*

Case-Control Comparison of Separation of Components Retrorectus Urinary Bladder Extracellular Surgical Device with Bovine Fetal/Calf Decellularized Dermis Underlay/ Prosthetic Mesh Overlay Incisional Hernia Repair

Candace Gonzalez, MD, John P. Hanna, MD, Thanh Tran, MPH, Beth Montero, NRCMA, Khattiya Chharath, Adham Saad, MD and Vic Velanovich, MD, FACS. *University of South Florida, Tampa, FL*

Disparities in Access to and Affordability of Abdominal Wall Hernia Repair

Joshua Parreco, MD, Saskya Byerly, MD, Hahn Soe-Lin, MD, Enrique Ginzburg, MD, FACS, Nicholas Namias, MD, MBA, FACS and Rishi Rattan, MD, FACS. *University of Miami, Miller School of Medicine, Miami, FL, Altadena, CA, University of Miami, Miller School of Medicine, Miami, FL*

Early Results of a Standardized Approach to Robotic Enhanced-View Totally Extraperitoneal (reTEP) Ventral/ Incisional Midline Hernia Repair

Sora Ely, MD, Azure G. Adkins, MD and Rockson Liu, MD, FACS. *University of California, San Francisco-East Bay, Oakland, CA, Sutter Health-Alta Bates Summit Medical Center, Oakland, CA*

Outcomes of Incisional Hernia Repair in a High-Volume Center: A Comparison with the Americas Hernia Society Quality Collaborative (AHSQC)

Camila Ortiz Gomez, MD, David Romero Funes, MD, Joel S. Frieder, MD, Mauricio Sarmiento Cobos, MD, Rene Aleman, MD, Cristian Milla Matute, MD, Maria C. Fonseca, MD, Samuel Szomstein, MD, FACS, FASMBS, Raul J. Rosenthal, MD, FACS, FASMBS and Emanuele Lo Menzo, MD, PhD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Clinical Outcomes after Robotic-Assisted Transabdominal Preperitoneal (R-TAPP) vs. Laparoscopic Totally Extraperitoneal (L-TEP) Inguinal Hernia Repair

Boma E. Jacks, Uche J. Agor and Aliu O. Sanni, MD, FACS. *All India Institute of Medical Sciences, Kingstown, Saint Vincent and the Grenadines, All Saints University School of Medicine, Roseau, Dominica, Eastside Bariatric and General Surgery, Snellville, GA*

Racial Differences in Quality of Life amongst Individuals Presenting with a Hernia

Anghela Z. Paredes, MD, Savannah Renshaw, Li-Ching Huang, PhD, Sharon Phillips, MSPH, Ajita S. Prabhu, MD, FACS and Benjamin K. Poulouse, MD, MPH, FACS. *The Ohio State University Wexner Medical Center, Columbus, OH, Vanderbilt University Medical Center, Nashville, TN, Cleveland Clinic, Pepper Pike, OH*

A Novel Polyelectrolyte Multilayer Nanofilm-Based Synthetic Bioresorbable Antimicrobial Matrix-Accelerated Healing of Chronic Wounds in a Prospective Clinical Evaluation (NCT03204851)

Sarah Waterman Manning, MD, MPA, David A. Humphrey, MD, William R. Shillinglaw, DO, FACS, Michael J. Schurr, MD, FACS, Eric C. Crawford, Ankit Agarwal, PhD and Gaurav C. Pranami, PhD. *Mountain Area Health Education Center, Asheville, NC, Imbed Biosciences Inc., Fitchburg, WI*

Early Perioperative Outcomes in Obese Patients Undergoing Minimally Invasive Abdominal Wall Reconstruction

Alex J. Addo, MD, MPH, H. Reza Zahiri, DO, FACS, Andrew Broda, Allison Estep, MD, Richard Lu, MD, Justin J. Turcotte, MBA and Igor Belyansky, MD, FACS. *Anne Arundel Medical Center, Annapolis, MD*

Short-Term Outcomes of Robotic vs. Open Transversus Abdominus Release

Sophia H. Roberts, Cole P. Rodman, MA and Michael P. Meara, MD, MBA, FACS. *The Ohio State University Wexner Medical Center, Columbus, OH*

Management of Chronically Infected Abdominal Wall Mesh: An Analysis Using American Hernia Society Quality Collaborative

Courtney L. Devin, MD, Molly A. Olson, MS, Luciano Guilherme Tastaldi, MD, Richard Zheng, MD, Adam C. Berger, MD, FACS and Francesco Palazzo, MD, FACS. *Thomas Jefferson University Hospital, Philadelphia, PA, Vanderbilt University Medical Center, Nashville, TN, Cleveland Clinic, Cleveland, OH*

Long Term Outcomes of Mesh and Primary Ventral Hernia Repair

Nikita Kadakia, Ross Mudgway, Jonathan Vo, MD, Tiffany Seto, MD, Shaokui Ge, PhD, Vinson Vong, Aron Depew, MD, FACS and Pascal Bortz, MD. *University of California, Riverside School of Medicine, Riverside, CA, Riverside University Health System, Moreno Valley, CA*

Station 2

Colon and Rectal Surgery

MODERATORS:

Thomas E. Read, MD, FACS, *Gainesville, FL*

James Yoo, MD, FACS, FASCRS, *Newtonville, MA*

The Impact of Underlying Cardiac Comorbidity on Major Adverse Cardiac Events after Colorectal Surgery: An Analysis of 190,038 Patients

Neha L. Lad, MD, Csaba Gajdos, MD, FACS and Nader Nader, MD. *University at Buffalo, Buffalo, NY, Veterans Affairs Medical Center, Buffalo, NY*

Overutilization of Computerized Tomography (CT) Scans in the Workup of Anorectal Abscess in the Emergency Department Setting of a University Hospital

Jared Marshall, Omar Marar, MD, Amanda Nemezc and Benjamin Phillips, MD, FACS. *Sidney Kimmel Medical College–Thomas Jefferson University, Philadelphia, PA*

Smoking Status is Associated with Postoperative Ileus after Colon Resection for Diverticular Disease

Mitri K. Khoury, MD, Jordan Grubbs, MD, John Abdelsayed, MD and Abier Abdelnaby, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX, University of Wisconsin–Madison, Madison, WI*

DNA Methylation of Dual-Specificity Tyrosine-Regulated Kinase 2 (DYRK2) Promoter Regulates Proliferation of Human Colorectal Cancer

Tomotaka Kumamoto, MD, Kohji Yamada, PhD, Saishu Yoshida, PhD, Katsuhiko Aoki, PhD, Katsuhiko Yanaga, MD, PhD, FACS and Kiyotsugu Yoshida, MD, PhD. *Jikei University School of Medicine, Tokyo, Japan*

Could Pathological “Second Look” Modify Clinical Management Avoiding Surgery in Endoscopically Resected pT1 Colorectal Cancers (pT1 CRC)?

Alessandra Pecoraro, MD, Giammauro Berardi, MD, Paolo Mercantini, MD, Laura Bersigotti, MD, Genoveffa Balducci, MD, Giulio Antonelli, MD, Maria Rosaria Mastrangeli, MD, Emanuela Pilozi, MD, Giuseppe Vanella, MD and Stefano Angeletti, MD. *Sapienza University of Rome, Rome, Italy*

In-Depth Risk Factor Analysis Shows Laparoscopic Procedure Does Not Show Superiority in the Prevention of Postoperative Ileus after Curative Surgery for Colorectal Cancer

Kwang Wook Suh, MD, PhD. *Ajou University School of Medicine, Suwon, Republic of Korea*

“Peek Port”: A 10-Year Follow-Up on Avoiding Conversion during Laparoscopic Colectomy

Chris Jacobs, MD and Thomas Read, MD, FACS. *University of Florida, Gainesville, FL*

Hypoalbuminemia Predicts Poor Outcomes in Anal Cancer

Katherine Bingmer, MD, Asya Ofshteyn, MD, MPH, Sharon L. Stein, MD, FACS and Emily Steinhagen, MD, FACS. *University Hospitals Cleveland Medical Center, Cleveland, OH*

Colorectal Cancer Care in Veterans: Trends and Outcomes in a 5-Year Experience at a Large VA Medical Center

Jarvis W. Walters, DO, Joshua K. Phillips, MD, Fredrick J. Brody, MD, FACS and James E. Duncan, MD, FACS. *Washington DC Veterans Affairs Medical Center, Washington, DC*

Worse Long-Term Outcomes in Patients with Postoperative Infection after Curative Colorectal Surgery—A Propensity Score Analysis

Enjiu Pauleon Tan, MBBS, MMed (Surg), FRCS, Yasumitsu Hirano, MD, PhD, FACS, Hiroka Kondo, MD, Kiyoka Hara, MD, Takuhisa Okada, MD, Ishikawa Shintaro, MD, Nao Obara, MD, Liming Wang, MD and Shigeki Yamaguchi, MD, PhD, FACS, FASCRS. *Khoo Teck Puat Hospital, Singapore, Singapore, Saitama Medical University International Medical Center, Hidaka, Saitama Prefecture, Japan*

Human Gut Microbiota and Connective Tissue Disorders: Incidence of Anastomotic Leak in Colorectal Surgery

Lorenzo Bragaglia, MD and Pier Federico Salvi, MD. *Sapienza University of Rome, Rome, Italy*

Rectal Prolapse Perineal vs. Abdominal Approach

Sarah B. Jochum, MD, Yanyu Zhang, MS, MBA, Joanne Favuzza, DO, Dana M. Hayden, MPH, MD, FACS, FASCRS, Theodore J. Saclarides, MD, FACS, FASCRS and Anuradha R. Bhama, MD, FACS, FASCRS. *Rush University Medical Center, Chicago, IL*

Does Robotic TME Provide Adequate Pathology Metrics in Overweight Males with Low Rectal Cancer?

Mahir Gachabayov, MD, Hanjoo Lee, MD, Agon Kajmolli, MD and Roberto C. Bergamaschi, MD, PhD, FACS, FASCRS. *Westchester Medical Center, Valhalla, NY*

Evaluating the Regional Uptake of Robotic Colorectal Surgery: A Report from the Surgical Care Outcomes Assessment Program Collaborative

Kenley R. Unruh, MD, Amir L. Bastawrous, MD, MBA, FACS, Greta V. Bernier, MD, David R. Flum, MD, MPH, FACS, Anjali S. Kumar, MD, MPH, FACS, FASCRS, Ravi Moonka, MD, Richard C. Thirlby, MD, FACS and Vlad V. Simianu, MD, MPH. *Virginia Mason Medical Center, Seattle, WA, Swedish Medical Center, Seattle, WA, University of Washington, Seattle, WA, Elson S. Floyd College of Medicine M.D. Program, Washington State University, Spokane, WA, Vignina Mason Medical Center, Seattle, WA*

Station 3

Vascular Surgery

MODERATORS:

Alik Farber, MD, FACS, *Weston, MA*

Andrew W. Hoel, MD, *Chicago, IL*

Enhanced Recovery after Surgery (ERAS) Program Following Elective Surgical Repair of Infraarenal Abdominal Aortic Aneurysms: A Single Egyptian Centre Experience

Ahmed Mousa Hafez Elkalla, MBBCh, MD, FRCS, FACS, FSVS. *Al-Hussain University Hospital, Faculty of Medicine for Males, Al-Azhar University, Cairo, Egypt, King Faisal University, Al-Ahsa, Saudi Arabia*

Comparing Management Strategies for Traumatic Femoral Artery Injuries: 5-Year Experience at a Single Level 1 Trauma Center

Brandon T. Gaston, Edgar B. Rodas, MD, FACS, Stefan W. Leichtle, MD, FACS, Francisco B. Albuquerque, MD, Jonathan D. Bennett, MD, Robert A. Larson, MD, FACS, Michel B. Aboutanos, MD, MPH, FACS and Mark M. Levy, MD, FACS. *Virginia Commonwealth University School of Medicine, Richmond, VA, Virginia Commonwealth University Medical Center, Richmond, VA*

Patients with Total Dependency in Performing Activities of Daily Living Have Lower Mortality after Below-Knee Amputations Compared to Above-Knee Amputations

Kyongjune B. Lee, MD, Ethan S. Rosenfeld, MD, Robyn A. Macsata, MD, FACS, Salim Lala, MD, John J. Ricotta, MD, FACS, Andrew D. Sparks, MS, Richard L. Amdur, PhD, Anton N. Sidawy, MD, MPH, FACS and Bao-Ngoc H. Nguyen, MD, FACS. *George Washington University, Washington, DC*

Increasing Utilization of CTA as the Initial Imaging Modality for Carotid Stenosis in the Outpatient Setting

Jina Pakpoor, MD, Joseph K. Canner, MHS, Andrew Harris and Caitlin Hicks, MD. *The Johns Hopkins Hospital, Baltimore, MD*

Retroperitoneal Approach Is Associated with Lower Mortality Than Transperitoneal Approach in Emergent/Non-Ruptured Open Abdominal Aortic Aneurysm Repair

Kyongjune B. Lee, MD, Ethan S. Rosenfeld, MD, Robyn A. Macsata, MD, FACS, Salim Lala, MD, John J. Ricotta, MD, FACS, Andrew D. Sparks, MS, Richard L. Amdur, PhD, Anton N. Sidawy, MD, MPH, FACS and Bao-Ngoc H. Nguyen, MD, FACS. *George Washington University, Washington, DC*

Delay in Endovascular Aneurysm Repair for Symptomatic Abdominal Aortic Aneurysm up to Five Days Does Not Impact Morbidity or Mortality

Marc Dauer, MD, Patricia Friedmann and Issam Koleilat, MD, FACS. *Montefiore Medical Center Albert Einstein College of Medicine, Bronx, NY, New York, NY*

Management of Infantile Periorbital Hemangioma: A Revisit

Ahmed Mousa Hafez Elkalla, MBBCh, MD, FRCS, FACS, FSVS. *Al-Hussain University Hospital, Faculty of Medicine for Males, Al-Azhar University, Cairo, Egypt, King Faisal University, Al-Ahsa, Saudi Arabia*

Endovascular Management of Extracranial Carotid Artery Aneurysms

James W. Cornwall, MD, Maximilian C. Png, Adam H. Korayem, MD, Rami O. Tadros, MD, FACS and Peter L. Faries, MD, FACS. *Icahn School of Medicine at Mount Sinai, New York, NY*

A Novel Magnetic Compression End-to-End Vascular Anastomosis

Qiang Lu, MD and Yi Lv, MD. *National Local Joint Engineering Research Center for Precision Surgery & Regenerative Medicine, Xi'an, China*

Patient Factors and Type of Vascular Disease Do Not Predict Patient Activation

Misty D. Humphries, MD, FACS, Jason Hasegawa and Matthew Mell, MD, MS, FACS. *University of California, Davis, Sacramento, CA*

Long-Term Follow-Up of Different Modalities for Primary Non-Complicated Great Saphenous Vein Varicosities in Females

Ahmed Mousa Hafez Elkalla, MBBCh, MD, FRCS, FACS, FSVS. *Al-Hussain University Hospital, Faculty of Medicine for Males, Al-Azhar University, Cairo, Egypt, King Faisal University, Al-Ahsa, Saudi Arabia*

Comparison of Percutaneous Peripheral Intervention Performed in a Dedicated Hybrid Operating Theatre vs. Cardiac Catheterization Laboratory

Rym El Khoury, MD and Lewis B. Schwartz, MD, FACS. *Advocate Lutheran General Hospital, Park Ridge, IL*

Hypoalbuminemia Predicts Major Amputation and Death after Revascularization for Tissue Loss

Laura T. Boitano, MD, James C. Iannuzzi, MD, Adam Tanious, MD, MMSc, Elizabeth Chou, MD, Christopher Latz, MD, David C. Chang, MD, MPH, MBA, PhD, William D. Clouse, MD, FACS and Mark F. Conrad, MD, FACS. *Massachusetts General Hospital, Boston, MA, University of California, San Francisco, San Francisco, CA, University of Virginia Health System, Charlottesville, VA*

Hospital Volume Impacts the Outcomes of Endovascular Repair of Thoracoabdominal Aortic Aneurysms

Satinderjit S. Locham, MD, Farhan Hussain, Andrew Barleben, MD, John S. Lane, MD, FACS and Mahmoud Malas, MD, MHS, FACS. *University of California, San Diego, San Diego, CA*

Station 4 Pediatric Surgery

MODERATORS:

Bindi Naik-Mathuria, MD, MPH, FACS, *Houston, TX*
Allison L. Speer, MD, *Houston, TX*

A Comparison of Robotic-Assisted Laparoscopic Splenectomy to Standard Laparoscopic Splenectomy for Patients with Hematologic Disorders

Rita D. Shelby, MD, Jennifer A. Smith, RN, RNFA, Svetlana Raskovalova, Marc P. Michalsky, MD, FACS, Karen A. Diefenbach, MD, FACS and Jennifer H. Aldrink, MD, FACS. *The Ohio State University, Columbus, OH, Nationwide Children's Hospital, Columbus, OH*

Extracellular Vesicles Derived from Human Amniotic Fluid Stem Cells as Novel Treatment for Necrotizing Enterocolitis

Joshua S. O'Connell, MD, Carol M. Lee, MSc, Bo Li, PhD and Agostino Pierro, OBE, MD, FRCS(Engl), FRCSEd, FAAP. *The Hospital for Sick Children, Toronto, ON, Canada*

Chest Tube with Fibrinolysis vs. VATS for Pleural Empyema- Results from a Large Single-Institution Series

Raghavendra Rao, MD, Farheen Turk, NA, Matthew Landman, MD, FACS and Frederick J. Rescorla, MD, FACS. *IUSM, Indianapolis, IN*

Porcine Small Intestine Contains Essential Components of the Serotonin Signaling System

Matthew P. Shaughnessy, MD, Christine J. Park, MD, Nensi M. Ruzgar, MSc and Robert A. Cowles, MD, FACS. *Yale University, New Haven, CT*

Inappropriate Referrals in Pediatric Surgery

Caleb J. Klipowicz, MA, Laura A. Shinkunas, MS and Erica M. Carlisle, MD. *University of Iowa, Iowa City, IA*

Health Disparities among Pediatric Renal Tumors

Kevin E. Neuzil, Annie Apple, Hannah Phelps, Heidi Chen, PhD, Shilin Zhao, PhD, Amelia Sybenga, DO, Correa Hernan, MD, Martin Whiteside and Harold Lovvorn, MD. *Vanderbilt University School of Medicine, Nashville, TN, Vanderbilt University Medical Center, Nashville, TN, Tennessee Cancer Registry, Nashville, TN*

Pediatric Appendicitis Score-Based Protocol Decreases CT Scan Utilization When Evaluating Children in a Community Hospital

Frieda M. Hulka, MD, FACS, Bryn Morris, Paige Elliott, MS and Bogna Targonska, MD. *University of Nevada School of Medicine, Reno, NV, Western Surgical Group, Reno, NV, Reno Radiological Associates, Reno, NV*

Ten-Year Experience of Kasai Hepatopertoenterostomy in Biliary Atresia: High-Dose Adjuvant Steroids Improve Outcomes

Jordan Taylor, MD, Natasha Abadilla, Raja Narayan, MD, MPH, Joshua M. Pickering and Matias Bruzoni, MD, FACS. *Stanford University Medical Center, Stanford, CA, Stanford University School of Medicine, Palo Alto, CA, Stanford School of Medicine, Stanford, CA, Stanford University School of Medicine, Stanford, CA*

The Use of Computed Tomography vs. Clinical Acumen in Diagnosing Appendicitis in Children: A Two-Institution International Study

Yousef El-Gohary, MD, Maria Molina Mata, MD, Camden Harrell, MD, Abdelhafeez Abdelhafeez, MD, Israel Fernandez-Pineda, MD, Andrew J. Murphy, MD and Eunice Huang, MD, FACS. *St. Jude Children's Research Hospital, Memphis, TN, Hospital Universitario Virgen del Rocío, Sevilla, Spain, The Children's Research Foundation Institute, Memphis, TN, University of Tennessee Health Science Center, Memphis, TN*

Birth Weight Best Predicts Patient Outcomes in Infants Who Undergo Congenital Diaphragmatic Hernia Repair

Dalya M. Ferguson, MD, Pamela A. Lally, MD, Kyle G. Mitchell, MD, Elisa I. Garcia, RN, KuoJen Tsao, MD, FACS, Kevin P. Lally, MD, MS, FACS and Matthew T. Harting, MD, FACS. *McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX*

Aggressive vs. Non-Aggressive Fluid Resuscitation in Pediatric Trauma Population: Is There an Outcome Difference?

Adel Elkbuli, MD, Shaikh A. Hai, MBBS, FACS, Mark G. McKenney, MD, FACS and Dessislava V. Boneva, MD, FACS. *Kendall Medical Regional Center, Miami, FL, Kendall Medical Regional Center, Miami Beach, FL*

Perforated Appendicitis in Children: Identifying Gaps in Care across the Nation

Adil A. Shah, MD, Anthony D. Sandler, MD, FACS, Timothy D. Kane, MD, FACS and Mikael Petrosyan, MD, FACS. *Howard University Hospital and College of Medicine, Washington, DC, Children's National Medical Center, Washington, DC*

A Standardized Protocol for the Management of Appendicitis in Children Reduces Resource Utilization

Christopher Pennell, MD, Teerin Meckmongkol, MD, L. Grier Arthur, MD, Erika Lindholm, MD, Sean Ciullo, MD, Rajeev Prasad, MD, FACS and Harsh Grewal, MD, FACS. *St. Christopher's Hospital for Children, Philadelphia, PA*

Remote Ischemic Conditioning Is Neuroprotective in Necrotizing Enterocolitis-Induced Brain Injury

George Biouss, Niloofar Ganji, Haitao Zhu, MD, PhD, Bo Li, PhD, Augusto Zani, MD, PhD, FACS and Agostino Pierro, OBE, MD, FRCS(Engl), FRCSEd, FAAP. *The Hospital for Sick Children, Toronto, ON, Canada*

Evaluation of Tertiary Care Pediatric Hospitals for Presence of Ovarian Tissue Cryopreservation Program

Courtney J. Harris, MD, Yazan Rizeq, Timothy B. Lautz, MD and Erin E. Rowell, MD, FACS. *Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL*

Station 5**Bariatric and Foregut****MODERATORS:**

Ashley H. Vernon, MD, FACS, *Boston, MA*

Please see addendum and Clinical Congress App.

First 90 Laparoscopic Duodenal Switches at a Bariatric Center of Excellence: Outcomes from a 4-Year Experience

Rodolfo J. Oviedo, MD, FACS, FASMB, Troy Glembot, MD, FACS, FASMB, James Wiedower, MD, FACS, FASMB, Patrick Northcraft, FNP-C, Sandra Snider, CST, MBSCR, Cheryl Wright, LNP, Katlyn Frye, MS, RD and Tina Shelton, MS, RN, CBN. *Valley Health Metabolic & Bariatric Program, Winchester, VA, Winchester Medical Center, Winchester, VA*

Robotic Transhiatal Esophagectomy: Initial Experience with a New Approach

Sharona B. Ross, MD, FACS, Danielle Craig, MD, Timothy J. Bourdeau, Janelle Spence, Jack Wecowski, MD, Iswanto Sucandy, MD, FACS and Alexander Rosemurgy, MD, FACS. *Advent Health Tampa, Tampa, FL, Advent Health Tampa, Dunedin, FL, Advent Health Tampa, Lexington, KY, Advent Health Tampa, Wesley Chapel, FL*

App for Calibration of Laparoscopic Funduplications

Patrick R. Reardon, MD, FACS and Lee M. Morris, MD, FACS. *Houston Methodist Hospital, Houston, TX*

Echocardiographic and Metabolic Changes in Morbidly Obese Subjects Four Years after Sleeve Gastrectomy

Lidia Castagneto Gisse, MD, James Rossario Casella Mariolo, MD, Elena Cavarretta, MD, PhD and Giovanni Casella, MD, PhD. *Sapienza University of Rome, Rome, Italy*

Preoperative UGI vs. EGD for Detection of Hiatal Hernia in Bariatric Patients—A Retrospective Analysis with Surgical and Financial Implications

Vishnu R. Mani, MD, Aleksandr Kalabin, MD, Ahmed Shamia, MD, Brian Donaldson, MD, FACS, Paritosh Suman, MD, FACS and Leaque Ahmed, MD, FACS. *Columbia University College of Physicians and Surgeons at Harlem Hospital Center, New York, NY, Wyckoff Heights Medical Center, New York, NY*

Risk Factors for Dehydration Requiring Outpatient Treatment after Bariatric Surgery: An Important Population of Patients

Sahil M. Gambhir, MD, Cyrus Farzaneh, MD, Perisa Ruhi-Williams, MD, Shelley Maithel, MD, Marcelo W. Hinojosa, MD, FACS, Brian Smith, MD, FACS, Ninh T. Nguyen, MD and Shaun Daly, MD. *University of California, Irvine Medical Center, Orange, CA*

Does Greater Patient Engagement Improve Outcomes after Gastrointestinal Surgery?

Alex J. Addo, MD, MPH, Andrew Broda, Richard Lu, MD, H. Reza Zahiri, DO, FACS and Adrian E. Park, MD, FRCSC, FACS, FCS(ESCA). *Anne Arundel Medical Center, Annapolis, MD*

Preoperative vs. Intraoperative Detection of Hiatal Hernia in Bariatric Patient Population—A Retrospective Analysis

Vishnu R. Mani, MD, Aleksandr Kalabin, MD, Nwakanma Chiagozie, MD, Paritosh Suman, MD, FACS and Leaque Ahmed, MD, FACS. *Columbia University College of Physicians and Surgeons at Harlem Hospital Center, New York, NY, Wyckoff Heights Medical Center, New York, NY*

Short and Long Term Outcomes of Duodenal Switch with a Moderate Common Channel Length

Alaa Sada, MD, Wendy S. Reidt, Michael L. Kendrick, MD, FACS, Elizabeth B. Habermann, PhD, MPH, Travis J. McKenzie, MD, FACS and Todd A. Kellogg, MD, FACS. *Mayo Clinic, Rochester, MN*

GERD Resolution Rates after Laparoscopic Sleeve Gastrectomy at 3 Years

Jad Chamieh, MD, Truman M. Earl, MD, FACS and Terry Pinson, MD, FACS. *University of Mississippi Medical Center, Jackson, MS, North Mississippi Medical Center, Tupelo, MS*

Perfusion Assessment during Minimally Invasive Ivor Lewis Esophagectomy—Experience of 100 Consecutive Patients

Syed Abbas, MD, Ziad T. Awad, MD, FACS, Brian Dalton, MD and Ruchir Puri, MBBS, FACS. *University of Florida, Jacksonville, FL, University of Florida, Atlantic Beach, FL, University of Florida, Jacksonville, FL*

Stenting of Post-Sleeve Gastrectomy Leaks with Special Bariatric Stent: Twenty-Two Consecutive Cases

Bassem M. Abou Hussein, MBBS, FACS. *Rashid Hospital-Dubai Health Authority, Dubai, United Arab Emirates*

Station 6

Trauma, Burn, and Critical Care

MODERATORS:

Nicolas Melo, MD, FACS, *Los Angeles, CA*
Chad T. Wilson, MD, FACS, *Houston, TX*

Utility of TQIP Palliative Care Screening Guidelines for Emergency General Surgery Patients

Carolyn L. Luppens, MD, Steven R. Cali, MD, MPH, Josh M. Bleicher, MD, MS, Laura A. Lambert, MD, FACS and Marta L. McCrum, MD, MPH, FACS. *University of Utah Health, Salt Lake City, UT, Huntsman Cancer Institute, Salt Lake City, UT*

Extracellular miRNA 130b Attenuates eCIRP-induced Inflammation by Hindering the Interaction between eCIRP and TLR4/MD2 Complex

Steven D. Gurien, MD, Gene F. Coppa, MD, FACS, Monowar Aziz, PhD and Ping Wang, MD. *Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, The Feinstein Institute for Medical Research, Center for Immunology and Inflammation, Manhasset, NY*

The Influence of the Study to Optimize Peritoneal Infection Therapy (STOP-IT) Trial on Antibiotic Prescribing in the ICU

Max Kopitnik, MD, Abby M. Tyson, PharmD, BCPS, Brent Goslin, MD, FACS, Kevin Harris, MD and Adam Smith, PharmD, BCCCP. *Riverside Methodist Hospital, Columbus, OH*

Work-Related vs. Non-Work Related Injuries: Is There an Outcome Difference?

Salomon Puyana, MD, Samuel Ruiz, MD, Ilya Luschitsky, Francisco J. Amador, MD, Rizal Lim, MD, Morad Askari, MD, MBA and Haaris S. Mir, MBBS, FACS. *Kendall Regional Medical Center, Miami, FL, Florida International University, Miami, FL, Universidad del Norte, Barranquilla, Colombia*

Bigger Is Better: NTDB Analysis Confirms Obesity Paradox in Trauma by Demonstrating Survival Advantage in Obese Patients

Naomi Berezin, MD, Erin Lewis, MD, MS, Richard Teo, MD and Melvin E. Stone, Jr., MD, FACS. *Albert Einstein College of Medicine, Jacobi Medical Center, Bronx, NY*

The Impact of the American College of Surgeons Committee on Trauma Verification and State Designation on Outcomes: Do All Centers Perform Equal?

Adel Elkbuli, MD, MPH, Shaikh A. Hai, MBBS, FACS, Desislava Boneva, MD, FACS and Mark G. McKenney, MD, MBA, FACS. *Kendall Medical Regional Center, Miami, FL*

Post-Traumatic Stress Disorder in the Postintensive Care Population

Amy Stewart, MD, FACS, Teodor Kouzov, MD, Anne Rivelli, MA, MPH, Dana Villines, MA and Manoj Shah, MD, FACS. *Advocate Lutheran General Hospital, Park Ridge, IL*

Mass Shooting in the U.S., 2016-2018: An Analysis of the Currently Available Open Source Data

Alison A. Smith, MD, PhD, Lena A. Hummel, Thomas M. Yusin, Theresa Nguyen, Marcus Hoof, Sharven Taghavi, MD, Patrick McGrew, MD, Chrissy Guidry, DO, Juan C. Duchesne, MD, FACS and Rebecca W. Schroll, MD, FACS. *Tulane University School of Medicine, New Orleans, LA*

Competing Risk Factors in Urgent Airway Management

Faran Bokhari, MD, FACS, Chih-Yuan Fu, MD, Francesco Bajani, MD and Marissa Bokhari. *John H. Stroger, Jr. Hospital of Cook County, Chicago, IL*

For Your Safety: Gun Use in American Homes

Napaporn Kongkaewpaisan, MD, Charlie Nederpelt, Majed El. Hechi, MD, Noelle Saillant, MD, FACS, Martin Rosenthal, MD, David R. King, MD, FACS, Peter J. Fagenholz, MD, FACS, Haytham M. A. Kaafarani, MD, FACS, George Velmahos, MD, FACS and April Mendoza, MD. *Massachusetts General Hospital and Harvard Medical School, Boston, MA, Siriraj Hospital, Mahidol University, Bangkok, Thailand*

Is the MIS Trauma Surgeon the Next (R)evolution of Trauma Surgery? Indications and Outcomes of a Single-Center Series of 40 Patients

Arianna Birindelli, MD, Michael Cripps, MD, FACS, Mauro Poddà, MD, Edoardo Segalini, MD, Alice Gori, MS, Stavros Gourgiotis, MD, PhD, FACS, Carlo Coniglio, MD, Gregorio Tugnoli, MD, Robert Lim, MD, FACS and Salomone Di Saverio, MD, FACS, FRCS(Eng). *Cambridge University Hospitals NHS Trust, Cambridge, Switzerland, The University of Texas Southwestern Medical Center, Dallas, TX, Cagliari University, Cagliari, Italy, Maggiore Hospital, Bologna, Italy, Cambridge University Hospitals NHS Trust, Cambridge, HI, Cambridge University Hospitals NHS Trust, Honolulu, HI, Cambridge University Hospitals NHS Trust, Cambridge, United Kingdom*

Carboxyhemoglobin on Presentation: A Predictor of Burn Patient Outcomes

Salomon Puyana, MD, Samuel Ruiz, MD, Francisco J. Amador, MD, Shaikh A. Hai, MBBS, FACS, Rizal Lim, MD, Morad Askari, MD, MBA, Mark G. McKenney, MD, MBA, FACS and Haaris S. Mir, MBBS, FACS. *Kendall Regional Medical Center, Miami, FL, Universidad del Norte, Barranquilla, Colombia*

SP220 | 2:30-4:00 pm

e-Posters IV

LOCATION: MS 201-203

Station 1

Breast and Endocrine Surgery

MODERATOR:

Feibi Zheng, MD, *Houston, TX*

Integrative Oncology Use of Dietary Supplements (DS) and Mind-Body Techniques (MBT) in the Periop Period

Dixie J. Mills, MD, FACS and Sarah-Ethel Justu. *Harvard Vanguard Medical Associates, Boston, MA, Harvard Medical School, Boston, MA*

Does Time to Adjuvant Chemotherapy Affect Outcomes in Patients with Triple-Negative Breast Cancer (TNBC)?

Maria Pomponio, Luke Keele, PhD and Julia C. Tchou, MD, FACS. *University of Pennsylvania, Philadelphia, PA*

Effects of Regular Exercise on Anti-Tumor Immunity

Andrea E. Davis, MD, Amanda Labora, Cassie Y. Huang, Kelly Allison, PhD, FAED and Julia C. Tchou, MD, PhD, FACS. *University of Pennsylvania, Philadelphia, PA*

Extreme Oncoplastic Breast-Conserving Surgery: Can We Reduce Rates of Mastectomy and Chemotherapy Use?

Angelena Crown, MD, Ruby Laskin, MD, Vlad V. Simianu, MD, MPH, Flavio G. Rocha, MD, FACS and Janie Grumley, MD, FACS. *Virginia Mason Medical Center, Seattle, WA, Providence St. John's Health Center, Santa Monica, CA*

Overuse of Surveillance Breast Magnetic Resonance Imaging (MRI) in Detecting Locoregional Recurrence Following Breast Cancer Treatment

Marissa K. Srour, MD, Jaswinder Jutla and Armando E. Giuliano, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA, Cedars-Sinai Medical Center, Beverly Hills, CA*

Margins in Breast-Conservative Surgery: Use of Intraoperative Specimen Radiography

Valeria Vitale, MD, Augusto Lombardi, MD, Stefano Maggi, MD, Gianluca Stanzani, MD, Elena Pastore, MD, Renato Oliva, MD, Claudia Franceschilli, MD, Marica Sammarco, MD, Camilla Romano, MD and Claudio Amanti, MD. *Ospedale Sant'Andrea, Rome, Italy*

Promising Outcomes after Long Term Follow-Up of DCIS after Accelerated Partial Breast Irradiation with Catheter-Based Brachytherapy

Cynthia Chen, DO, Chi Chi Do-Nguyen, OMS-II, Lisa Poole, MD, Thomas G. Frazier, MD, FACS and William B. Carter, MD, FACS. *Bryn Mawr Hospital, Bryn Mawr, PA*

Does Margin Width Impact Recurrence in Women with Ductal Carcinoma In Situ?

Devon Livingston-Rosanoff, MD, PhD, John Hampton, MS, Polly Newcomb, PhD, Amy Trentham-Dietz, PhD and Lee G. Wilke, MD, FACS. *University of Wisconsin, Madison, WI, Fred Hutchinson Cancer Research Center, Seattle, WA*

Evaluation of Surgical Complications after Single Agent vs. Dual Agent HER2 Targeted Neoadjuvant Chemotherapy for Breast Cancer

Melissa Cullom, Amanda L. Amin, MD, FACS, Christa R. Balanoff, MD, FACS, Jamie Wagner, DO and Kelsey E. Larson, MD. *University of Kansas Medical Center, Kansas City, KS*

High Expression of H2AX Breast Cancer Possesses Higher Radiation Sensitivity and Associated with Early Recurrence

Eriko Katsuta, MD, PhD and Kazuaki Takabe, MD, PhD, FACS. *Roswell Park Comprehensive Cancer Center, Buffalo, NY*

Retroperitoneoscopic Adrenalectomy in Ipsilateral Recurrent Pheochromocytoma

Polina Kniazeva, MD, Pier Francesco Alesina, MD and Martin K. Walz, MD. *Kliniken Essen-Mitte, Essen, Germany*

Trends in Radioactive Iodine Usage at a County Hospital: How Has Practice Changed in Response to the 2015 ATA Guidelines?

Virginia Bailey, MD and Sarah C. Olmann, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Which Patients with Asymptomatic Hypocalcemia after Total Thyroidectomy Should Be Treated?

Aldo Bove, MD, PhD, Paolo Panaccio, MD and Sara Ciuffreda, MD. *University "G.D'Annunzio" Chieti-Pescara, Chieti, Italy*

Station 2**Surgical Education****MODERATORS:**

Neal R. Barshes, MD, PhD, *Sienna Plantation, TX*

Gary T. Marshall, MD, FACS, *Dallas, TX*

Does Clinical Exposure Matter? An Analysis of General Surgery Categorical Intern Schedules and the Impact of Rotation Timing on American Board of Surgery In-Training Examination (ABSITE) Performance

Douglas J. Cassidy, MD, Nikhil Panda, MD, Sophia K. McKinley, MD, EdM, Arian Mansur, AB, John T. Mullen, MD, MPH, FACS, Emil Petrusa, PhD, Roy Phitayakorn, MD, MHPE (MEd), FACS and Denise W. Gee, MD, FACS. *Massachusetts General Hospital, Boston, MA*

Prognostic Significance of Ethnicity on Differential Attainment in Core Surgical Training (CST)

David B. Robinson, MBBCh, MRCS, Luke Hopkins, MBBCh, MRCS, Chris Brown, MBBCh, MRCS, Tarig Abdelrahman, MBBCh, MRCS, Richard J. Egan, MD, FRCS and Wyn G. Lewis, MD, DSc. *Health Education and Improvement Wales, Nantgarw, United Kingdom*

Usefulness of Self-Made Instruction Manual for Laparoscopic Surgery

Toshiro Tanioka, MD, FACS, Akihiro Hoshino, MD, PhD, Takatoshi Matsuyama, MD, PhD and Yusuke Kinugasa, MD, PhD. *Tokyo Medical and Dental University, Tokyo, Japan*

Stop the Bleed®: The Effect of Hemorrhage Control Education on Health Care Professionals' Knowledge and Willingness to Respond during a Urban Hemorrhagic Medical Emergency

Osvaldo I. Guevara Valmana, MD, Laura Andrade Delgado, MD, Luis F. Gordillo Andrade, MD, Daniel Angeles Gaspar, MD, Angelica Martinez Jimenez, MD and Enrique Chavez Serna, MD. *Dr. Manuel Gea Gonzalez General Hospital, Mexico City, Mexico, Hospital General Dr. Manuel Gea Gonzalez, Mexico, Mexico*

Students Are Watching: They See How Surgical Residents and Attending Deal with Difficult Situations

Ogonna Nnamani, Andre R. Campbell, MD, FACS, FACP, FCCM, Sanziana A. Roman, MD, FACS, Julie Ann Sosa, MD, MA, FACS, Matthew Y. C. Lin, MD, FACS and Patricia S. O'Sullivan, EdD. *University of California, San Francisco, San Francisco, CA*

Predicting a Successful Match into General Surgery Using ERAS Data

Claire Cummins, MD, Faith Mason, Byron D. Hughes, MD, MPH and Ravi S. Radhakrishnan, MD, MBA, FACS. *University of Texas Medical Branch, Galveston, TX*

Creation of a Resident-Run Journal Club: An Innovative Approach to Supporting an Environment of Inquiry

Lindsay Volk, MD, MPH, Alexander Rossi, MD, Anthony Casabianca, MD, MSc, Nell Maloney-Patel, MD and Nicole J. Krumrei, MD, FACS. *Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ*

Gender Bias within Letters of Recommendation in Vascular Surgery

Catherine Go, MD, Susan Lang, MD, Mark Byrne, Diana Brucha, C-TAGME, Kristiina Parviainen, MD and Ulka Sachdev, MD, FACS. *University of Pittsburgh Medical Center, Pittsburgh, PA*

Learning to Treat a Patient's Past and Present: Integrating Trauma-Informed Care Curriculum into Medical Education
Charity H. Evans, MD, FACS, Ashley Farrens, MSN, MBA, RN, Amanda R. Kis, MSW, MPH, Ashley A. Raposo-Hadley, Jenny Burt, PhD, LP, Zachary Bauman, DO, FACS and Madeleine Wilson. *University of Nebraska, Omaha, NE, Nebraska Medicine, Omaha, NE*

The Effect of Concurrent Instructor Feedback While Training on a Laparoscopic Virtual Reality Simulator: A Randomized Clinical Trial

Katherine M. Reitz, MD, Hunter R. Cape, MBChB, BAO, FACS, Amy L. Haller, PA-C, Veronica Guerrero, MD and Giselle G. Hamad, MD, FACS, FASMBS. *University of Pittsburgh, Pittsburgh, PA, Orillia Soldiers' Memorial Hospital-University of Toronto, Orillia, ON, Canada, Centegra Health System-Northwestern Medicine, Crystal Lake, IL*

Flipping the Boot Camp: A Multidisciplinary Curriculum for Incoming Interns

Edmund W. Lee, MD, Richard W. Sapp, MS, Laura M. Mazer, MD, MPH, Sylvia Berecknye Merrell, DrPH, James N. Lau, MD, MHPE, FACS and Dana T. Lin, MD, FACS. *Stanford University, Stanford, CA, Cedars-Sinai Medical Center, Los Angeles, CA*

Bringing Medical Education into the 21st Century with an Electronic Study Tool

David P. Ebertz, MD, Emily J. Onufer, MD, MPH, Ariella Salimpour, Kari Allen, PhD, Amy Bauernfeind, PhD and Michael M. Awad, MD, FACS. *Washington University in St. Louis, St. Louis, MO*

Do Patients' Expectations of Gendered Communication Unfairly Disadvantage Female Surgeons?

Carolina F. Branson, PhD, Matthew C. Bobel, MD, Melissa E. Brunsvold, MD, FACS and Jeffrey G. Chipman, MD, FACS. *University of Minnesota, Minneapolis, MN*

Station 3

Hepatobiliary and Pancreas

MODERATORS:

David A. Geller, MD, FACS, *Pittsburgh, PA*
Jason S. Gold, MD, FACS, *West Roxbury, MA*

Elucidating the Importance of Osteopontin during Postoperative Liver Regeneration in Humans

David Pereyra, MD, Benedikt Rumpf, Christoph Köditz, Jonas Santol, Jenifer Fuxsteiner, Thomas Grünberger, MD, Christine Brostjan, PhD and Patrick Starlinger, MD, PhD. *Medical University of Vienna, Vienna, Austria, Kaiser Franz-Joseph Hospital, Vienna, Austria*

Von Willebrand Factor Antigen Facilitates Long-Term Risk Stratification in Patients Undergoing Liver Resection

David Pereyra, MD, Christoph Köditz, Jonas Santol, Benedikt Rumpf, Jenifer Fuxsteiner, Gregor Ortmayr, MD, Thomas Grünberger, MD and Patrick Starlinger, MD, PhD. *Medical University of Vienna, Vienna, Austria, Kaiser Franz-Joseph Hospital, Vienna, Austria*

Impact of Doxorubicin on Liver Ischemia/Reperfusion Injury in Mice

Atsushi Kobayashi, MD, PhD and Ali Zarrinpar, MD, PhD, FACS. *University of Florida, Gainesville, FL*

Outcomes of Laparoscopic-Assisted Transgastric ERCP in Patients with Pancreaticobiliary Disease after RYGB: Case Series and Review of the Literature

Rene Aleman, MD, Joel S. Frieder, MD, Felice De Stefano, MD, Cristina Vila Zarate, MD, Tolga Erim, DO, Mayank Roy, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS and Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Early Perioperative Fluid Benchmarking to Predict Pancreaticoduodenectomy (PD) Outcomes

Carrie D. Walsh, David Moskal, Sofia Duque, Charles J. Yeo, MD, FACS and Harish Lavu, MD, FACS. *Sidney Kimmel Medical College-Thomas Jefferson University, Philadelphia, PA*

Pancreas-Sparing Duodenectomy for Duodenal Polyposis in Familial Adenomatous Polyposis Syndrome: Long-Term Outcomes

Robert Naples, DO, Robert Simon, MD, Maitham Moslim, MD, Toms Augustin, MBBS, FACS, Gareth Morris-Stiff, MD, FACS, James M. Church, MD, FACS, Carol Burke, MD, Matthew F. Kalady, MD, FACS and Matthew Walsh, MD, FACS. *Cleveland Clinic, Cleveland, OH*

Cancer-Derived Immunoglobulin G as a Prognostic Marker in Patients with Resected Pancreatic Ductal Adenocarcinoma

Ming Cui, MD and Quan Liao, MD. *Peking Union Medical College Hospital, Beijing, China*

The Role of Preoperative PVE and Other Predictors on Operative Outcomes in Major Hepatectomy for Metachronous CRC Liver Metastasis

Samer A. Naffouje, MD and George I. Salti, MD, FACS. *University of Illinois Hospital and Health Sciences System, Chicago, IL, Edward Cancer Center, Naperville, IL*

Impact of Inflammation-Based Prognostic Score for Midgut-Origin Colon Cancer Liver Metastasis

Ryoga Hamura, MD, Kenei Furukawa, MD, PhD, Tomohiko Taniai, MD, Yoshihiro Shirai, MD, PhD, Hironori Shiozaki, MD, Shinji Onda, MD, PhD, Takeshi Gocho, MD, PhD, FACS, Hiroaki Shiba, MD, PhD, FACS, Yuichi Ishida, MD, PhD and Katsuhiko Yanaga, MD, PhD, FACS. *Jikei University, Tokyo, Japan*

Robotic Hepatic Resections: An Institutional Experience and Outcomes

Iswanto Sucandy, MD, FACS, Danielle Craigg, MD, Trenton Lippert, Andres Giovannetti, MD, Sharona B. Ross, MD, FACS and Alexander Rosemurgy, MD, FACS. *Advent Health Tampa, Tampa, FL*

Does Twelve Suffice? Assessing Adequate Staging of Node-Negative Pancreatic Adenocarcinoma by Clinical Nodal Staging Score

Tai Ren, MD and Yingbin Liu, MBBS, FACS. *Xin Hua Hospital Affiliated to Shanghai Jiao Tong University, Shanghai, China*

Value of Laparoscopic Ultrasound in Intraoperative Decision Making during Robotic Pancreatic Parenchymal Preservation Resection

Wenbo Tang, MD, PhD and Rong Liu, MD, PhD. *Chinese PLA General Hospital, Beijing, China*

Standardized Endocystectomy Technique for Surgical Treatment of Uncomplicated Hepatic Cystic Echinococcosis

Mohammed Al-Saeedi, MD, Elias Khajeh, MD, Omid Ghamarnejad, MD and Arianeb Mehrabi, MD, FACS. *University of Heidelberg, Heidelberg, Germany*

Quantification of Donor Liver Steatosis Using an Unsupervised Artificial Intelligence Platform

Raja Narayan, MD, MPH, Natasha Abadilla, Linfeng Yang, PhD, Chun Chuan Hsu, MD, Christopher Jensen, Simon B. Chen, MD, John P. Higgins, MD and Marc L. Melcher, MD, PhD, FACS. *Stanford University, Stanford, CA, Stanford Children's Health, Lucile Packard Children's Hospital, Palo Alto, CA*

Severe Complications, Although Rare, Increases Length of Stay after Resection of Colorectal Liver Metastases

Charlotte K. Egeland, MD, Andreas A. Rostved, MD, PhD, Nikolai Aagaard Schultz, MD, PhD, Hans-Christian Pommergaard, MD, PhD, Thomas R. Daugaard, MD, Line B. Thoenner, MD, Jens Hillingsoe, MD, PhD and Allan Rasmussen, MD. *University of Copenhagen, Copenhagen, Denmark*

Station 4

Surgical Oncology

MODERATORS:

Callisia N. Clarke, MD, FACS, *Milwaukee, WI*
Tina J. Hieken, MD, FACS, *Rochester, MN*

Predictors and Outcomes of Converted Minimally Invasive Major Hepatectomy: A Propensity Score-Matched Analysis

Caitlin A. Hester, MD, Mathew Augustine, MD, John Mansour, MD, Patricio Polanco, MD, FACS, Matthew Porembka, MD, FACS, Sam Wang, MD, Herbert Zeh, III, MD, FACS and Adam Yopp, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Veteran Adherence to VTE Prophylaxis—Does It Even Matter?

Lauren M. Woldanski, Cary Schlick, MD, David J. Bentrem, MD, FACS and Daniel E. Abbott, MD, FACS. *University of Wisconsin Hospital and Clinics, Madison, WI, Northwestern Memorial Hospital, Evanston, IL*

Comparison of Outcomes from Open vs. Minimally Invasive Gastrectomy with Lymphadenectomy in the U.S. 2004–2014

Sami Shoucair, MD, Jason F. Howard, MD and David Blitzer, MD. *Medstar Health, Baltimore, MD*

Caveat Herniorrhaphy: Preventing Inadvertent Sarcoma Resections

Herbert S. Schwartz, MD, FACS, James P. Norris, MD, Abigail L. Henry, MPH, Jacquelyn Pennings, PhD and Jennifer L. Halpern, MD. *Vanderbilt University, Nashville, TN*

The Effect of Delivery Ways of Imatinib on Postoperative Prognosis in Treatment of High-Risk Gastrointestinal Stromal Tumor

Weihua Fu, MD, PhD, Yanshu Li, MD, Qingsheng Zeng, Yongjia Yan, MD, PhD and Liwei Zhu, MD. *Tianjin Medical University General Hospital, Tianjin, China*

Enhanced Recovery after Surgery Protocol Decreases Acute Kidney Injury in Patients Undergoing Cytoreductive Surgery Plus HIPEC

George I. Salti, MD, FACS and Fadi Dahdaleh, MD. *Edward-Elmhurst Health and University of Illinois at Chicago, Naperville, IL*

The Era of Error in Next-Generation Sequencing: Examining a Hot Spot of p53 in Colorectal Cancer

Kevin Hancock, MD, Willie Hsu, PhD, Kamil Khanipov, PhD, Yuriy Fofanov, PhD, V. Suzanne Klimberg, MD, PhD, FACS and Lawrence Sowers, PhD. *University of Texas Medical Branch, Galveston, TX*

The Addition of Chemoradiation to Adjuvant Chemotherapy Is Associated with Improved Survival Following Upfront Surgical Resection for Pancreatic Cancer

Ariella M. Altman, MD, Dip M. Shukla, Adam Sheka, MD, Keith Wirth, MD, Schelomo Marmor, MPH, PhD, Emil Lou, MD, Jane Y. C. Hui, MD, FACS, Todd M. Tuttle, MD, FACS, Eric H. Jensen, MD, FACS and Jason W. Denbo, MD. *University of Minnesota, Minneapolis, MN*

N-Myristoyltransferase Inhibition Decreases Tumor Growth in a Syngeneic Mouse Model of Lung Cancer

Natalie C. McClintock, MD, Kathryn T. Chen, MD, FACS, Stacy Behare and Begoña Diaz, PhD. *Harbor-UCLA Medical Center, Torrance, CA, Los Angeles Biomedical Research Institute, Torrance, CA*

The Effect of Suture-to-Wound Length Ratio on Incisional Hernia Rates Following Hyperthermic Intraperitoneal Chemotherapy

Joseph A. Lewcun, Eric M. Pauli, MD, FACS and Colette Pameijer, MD, FACS. *Penn State, Hershey, PA*

Chemoresistance in Pancreatic Carcinoma Induces PD-L1 and CD44 Expression

Marcus A. Alvarez, MD, Rita S. Kansal, PhD, Mazher S. Hussain, PhD, Paxton V. Dickson, MD, FACS, Jeremiah L. Deneve, DO, FACS, Danny Yakoub, MD, FACS, David Shibata, MD, FACS and Evan S. Glazer, MD, PhD, FACS. *University of Tennessee, Memphis, TN*

Enhanced Postoperative Recovery with Robotic-Assisted Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy for Peritoneal Surface Malignancies of Gastrointestinal Origin

Shruti Koti, Alan S. Kadison, MD, FACS, James S. Sullivan, MD, John Wang, MD, FACS, Raza Zaidi, MD, FACS and Gary B. Deutsch, MD, FACS. *Hofstra/Northwell, Hempstead, NY, Northwell Health Cancer Institute, Lake Success, NY*

Comparison of Laparoscopy vs. Mini-Laparotomy for Jejunostomy Placement in Patients with Gastric Adenocarcinoma

Catherine H. Davis, MD, MPH, Naruhiko Ikoma, MD, MS, Paul F. Mansfield, MD, FACS, Prajnan F. Das, MD, Bruce D. Minsky, MD, Mariela A. Blum Murphy, MD, Barbara Lee Bass, MD, FACS, FRCSEng(Hon), FRCSE(Hon), FCOSECSA(Hon) and Brian D. Badgwell, MS, FACS. *Houston Methodist Hospital, Houston, TX, University of Texas MD Anderson Cancer Center, Houston, TX*

Surgery for Breast, Lung, Pancreatic, and Colon Cancer: Comparing the Current State of Operative Reporting to Published Standards

Ross Mudgway, Chelsea Santos, MPH, Naveenraj L. Solomon, MD, FACS and Sharon S. Lum, MD, FACS. *University of California, Riverside, Riverside, CA, Loma Linda University Medical Center, Loma Linda, CA*

Station 5

General Surgery

MODERATORS:

Michael Goldberg, MD, *Philadelphia, PA*

Dmitry Nepomnayshy, MD, FACS, *Burlington, MA*

Bariatric Surgery Outcomes in Patients with Inflammatory Bowel Disease: A Single-Institution Experience

Cristian Milla Matute, MD, Maria C. Fonseca, MD, Joel S. Frieder, MD, Juliana Henrique, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS and Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Noninvasive Venous Waveform Analysis (NIVA) in a Porcine Model of Volume Overload

Monica Polcz, MD, Bret Alvis, MD and Kyle Hocking, PhD. *Vanderbilt University Medical Center, Nashville, TN*

In Vivo Regeneration of Small Intestine Using Decellularized Intestinal Scaffold

Hidenobu Kojima, MD, Yuya Miyauchi, MD and Shinji Uemoto, MD, PhD. *Kyoto University, Kyoto, Japan, Kyoto University, Kyoto, Japan*

Surgical Complications after Pediatric Kidney Transplantation

Aydincan Akdur, MD, Esra Baskin, MD, Zeynep Ersoy, MD, Gokhan Moray, MD, FACS and Mehmet A. Haberal, MD, FACS(Hon). *Baskent University, Ankara, Turkey*

Development and Implementation of a General Surgery Departmental Quality Improvement Collaborative across a Large Institutional Health System

Aldo Fafaj, MD, Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Samuel Zolin, MD, Clayton Petro, MD, Ajita S. Prabhu, MD, FACS, Steven Rosenblatt, MD, FACS, David M. Krpata, MD and Michael J. Rosen, MD, FACS. *Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH*

The Comparison of Laparoscopic Distal Pancreatotomy (LDP) Learning Curves of Different Surgeons at a High-Volume Pancreas Center

Jiangdong Qiu, MD, Mengyu Feng, MD, Yueze Liu, MD, Gang Yang, MD, Zhe Cao, MD and Taiping Zhang, MD, FACS. *Peking Union Medical College Hospital, Beijing, China*

Endotoxemia in Transplant Patients with Culture Negative Sepsis

Matthew Sussman, MD, Michelle B. Mulder, MD, Emily L. Ryon, MD, Gabriel Lama, Caroline E. Williams, Enrique Ginzburg, MD, FACS, Nicholas Namias, MD, MBA, FACS and Kenneth G. Proctor, PhD. *University of Miami, Miami, FL*

Characterization of Twitter Use among Departments of Surgery with ACGME General Surgery Residency Programs

Susanna S. Hill, MD, Steven T. Em, Robert J. McLoughlin, MD, David C. Meyer, MD, Cristina R. Harnsberger, MD, Paul R. Sturrock, MD, Karim Alavi, MD, MPH, FACS, FASCRS, Justin A. Maykel, MD, FACS, FASCRS and Jennifer S. Davids, MD, FACS, FASCRS. *University of Massachusetts, Worcester, MA*

Effect of Mural or Intra-Arterial Injection Adipose Derived Stromal Fraction on TNBS-Induced Colitis: An Experimental Study

Tezcaner Tugan, MD, Huseyin Onur Aydin, MD, Cagri A. Uysal, MD, PhD, Gonca Ozgun, MD, Huriye Eda Ozturan Ozer, MD, Yahya Ekici, MD, FACS, and Mehmet A. Haberal, MD, FACS(Hon). *Baskent University, Ankara, Turkey*

Surgeons Can Quickly and Accurately Perform Image-Guided Needle Placement Using Robotic Assistance

Abigail J. Fong, MD, Camille L. Stewart, MD, Kelly J. Lafaro, MD, Christopher J. LaRocca, MD, Dominic Femino, MD and Brooke Crawford, MD. *City of Hope, Duarte, CA*

Narcotic Imbalance: Patient-Reported Pain Scores Poorly Correlate with Postoperative Medication Administration

Laurel Vaughan, MD and Jake Quick, MD, FACS. *University of Missouri Health Care, Columbia, MO*

Outcomes of Complex Abdominal Wall Reconstruction with Concomitant Cholecystectomy

Raha AlMarzooqi, MD, Shahed Tish, MD, Breanna Perlmutter, MD, Aldo Fafaj, MD, Hemasat Alkhatib, MD, Molly Olson, MS, Ajita S. Prabhu, MD, FACS, David M. Krpata, MD, Clayton Petro, MD and Michael Rosen, MD, FACS. *Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH, Vanderbilt University Medical Center, Nashville, TN*

Assessment of Acute and Chronic Effects of Irreversible Electroporation on Normal Common Bile Ducts in a Rabbit Model

Qingshan Li, MD, Fenggang Ren, MD, Zhe Zhang, MD, Yue Wang, MD, Tao Ma, MD, Junxi Xiang, MD, Pengkang Chang, MD, Bo Wang, MD, Rongqian Wu, MD and Yi Lv, MBBS. *First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China*

What Opioids Are Attendings and Residents Prescribing? Who is Getting It Right?

Wayne Tse, MD, Ryan Johnson, Michael F. Amendola, MD, FACS and Brian Kaplan, MD, FACS. *Hunter Holmes McGuire VA Medical Center, Richmond, VA, Virginia Commonwealth University Health System, Richmond, VA, Virginia Commonwealth University, Richmond, VA*

Station 6**Trauma, Burn, and Critical Care**

MODERATORS:

Carlos V. Brown, MD, FACS, *Austin, TX*Joseph F. Sucher, MD, FACS, *Phoenix, AZ***REBOA: -Interest Is Wide but Use Remains Limited**

Jason M. Samuels, MD, Kaiwen Sun, Ernest E. Moore, MD, FACS, Mitchell J. Cohen, MD, FACS, Joshua J. Sumislowski, MD, Julia R. Coleman, MD, MHS, Angela Sauaia, MD, PhD, Bernard T. Baxter, MD, FACS and Jason N. MacTaggart, MD, FACS. *University of Colorado Denver, Aurora, CO, University of Nebraska Medical Center, Omaha, NE, Denver Health Medical Center, Denver, CO*

A Triage Protocol for Rib Fracture Patients: Clinical Function Is More Important Than Age and Anatomy

Stefan W. Leichter, MD, FACS, Beth Torres, PhD, RN, CCRN, Rachel Collins, NP, Sudha P. Jayaraman, MD, FACS, Paula Ferrada, MD, FACS and Michel B. Aboutanos, MD, MPH, FACS. *Virginia Commonwealth University, Richmond, VA*

Teaching Trauma Centers: Increased Complications and Decreased Mortality

Beatrice J. Sun, Areg Grigorian, MD, Catherine M. Kuza, MD, Allen Kong, MD, FACS, Patrick T. Delaplain, MD, Matthew O. Dolich, MD, FACS, Michael E. Lekawa, MD, FACS and Jeffry T. Nahmias, MD, MHPE, FACS. *UC Irvine Medical Center, Orange, CA, USC, Los Angeles, CA*

Predictors of Mortality Following Upper Gastrointestinal Penetrating Injuries

Eduardo Fernandes, MD, PhD, FRCS, Kevin Chow, MD, Maria Ramirez, Jennifer Pan, Samara Albazza, Francesca Kimelman, Alberto Mangano, MD, Corrado Pedrazzani, MD and Ellen Omi, MD, FACS. *University of Illinois Hospital and Health System, Chicago, IL, University of Verona, Policlinico Borgo Roma, Verona, Italy, Advocate Christ Medical Center, Chicago, IL*

Patterns in Chaos: A Long-Term Study of Same-Patient Admissions for Consecutive Injury Events

Richard Van De Graaf, MD. *St. Luke's University Hospital, Fountain Hill, PA*

Early Tracheostomy in Patients with Cervical Spine Injuries: A Potential Method to Reduce Morbidity

Muhammad N. Khan, MD, Faisal S. Jehan, MD, James M. Feeney, MD, FACS, Gary G. Lombardo, MD, FACS, Jorge Con, MD, FACS, Rifat Latifi, MD, FACS, FICS and Kartik Prabhakaran, MD, FACS. *Westchester Medical Center, New York Medical College, Valhalla, NY*

The Impact of Obesity on Missed Injury in Abdominal Trauma

Enrique De La Cruz, MD, Ahmad Zeineddin, MD, Olubode Olufajo, MD and Mallory Williams, MD, MPH, FACS. *Howard University Hospital, Washington, DC*

Neither Skin Sutures nor Foam Dressing Use Affect Tracheostomy Complication Rates

Savo Bou Zein Eddine, MD, Thomas W. Carver, MD, FACS, Inderjit Pooni, RN, Forrest Ericksen and David J. Milia, MD, FACS. *Medical College of Wisconsin, Wauwatosa, WI*

Quantifying the Volume of Fluid Resuscitation Required to Normalize Lactate in Septic Patients

Andrew Wang, MD, Navpreet K. Dhillon, MD, Ara Ko, MD, Nicholas P. Rottler, MD, Galinos Barmparas, MD, FACS and Eric J. Ley, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

Resuscitative Endovascular Balloon Occlusion of the Aorta Is Cost-Effective in the Management of the Unstable Trauma Patient

Rindi Uhlich, MD, Jan Jansen, MBBS, PhD, FRCS, FFICM, Patrick Bosarge, MD, FACS, Jeffrey D. Kerby, MD, PhD, FACS and Parker J. Hu, MD. *University of Alabama at Birmingham, Birmingham, AL, University of Arizona, Phoenix, Phoenix, AZ*

Are Octogenarians and Older Adult Trauma Patients Equivalent?

Krista Haines, DO, George Kasotakis, MD, FACS, Cory J. Vatsaas, MD, FACS and Suresh Agarwal, MD, FACS. *Duke University, Durham, NC, Duke Health Department of Surgery, Durham, NC*

The Effects of Alcohol on Burn Outcomes: A Silent Killer

Salomon Puyana, MD, Samuel Ruiz, MD, Francisco J. Amador, MD, Shaikh A. Hai, MBBS, FACS, Morad Askari, MD, MBA, Rizal Lim, MD, Mark G. McKenney, MD, MBA, FACS and Haaris S. Mir, MBBS, FACS. *Kendall Regional Medical Center, Miami, FL, Universidad del Norte, Barranquilla, Colombia*

Wednesday, October 30

SP310 | 9:45-11:15 am

e-Posters V

LOCATION: MS 201-203

Station 1

Cardiothoracic Surgery

MODERATOR:

Abby A. White, DO, Westwood, MA

Sex-Based Differences in Mitral Valve Re-Operation after Mitral Valve Repair: Truth or Myth?

Sameer Hirji, MD, Farhang Yazdchi, MD, MHS, Edward Percy, MD, Samantha Landino, Alexandra Anastasopoulos, MD, Siobhan McGurk, Sary Aranki, MD, Marc Pelletier, MD, MSc, Prem Shekar, MD and Tsuyoshi Kaneko, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Surgical Management of Aorto-esophageal Fistula: A Contemporary Review

Hilliard T. Brydges, Kanhua Yin, MD, MPH, Karl J. Karlson, MD, FACS and Nikola Dobrilovic, MD, MBA. *Boston University, Boston, MA, Boston Medical Center, Boston, MA*

Primary Cardiac Lymphoma: A Population-Based Outcomes Study Involving 122 Patients from the Surveillance Epidemiology and End Result (SEER) Database

Guillermo Medrano del Rosal, MD and Krishnaraj Mahendraraj, MD. *Lincoln Medical Center, Bronx, NY*

Cardiopulmonary Bypass Time Better Predicts Postoperative Morbidity and Mortality in Aortic Arch Surgery Than the Circulatory Arrest Time

Christian V. Ghincea, MD, Muhammad Aftab, MBBS, FACS, Mohamed Eldeiry, MD, Gavriel F. Roda, Michael R. Bronsert, PhD, MS, Jay D. Pal, MD, PhD, Joseph C. Cleveland, MD, FACS, David A. Fullerton, MD, FACS and Thomas B. Reece, MD, FACS. *University of Colorado, Aurora, CO*

Gastric Ischemic Conditioning before Esophagectomy: Timing and Method Matter

Philip W. Carrott, Jr., MD, FACS, Judy Miller, RN, Andrew Chang, MD, FACS, Rishindra Reddy, MD, FACS, Jules Lin, MD, FACS and Kiran H. Lagisetty, MD, FACS. *University of Michigan, Ann Arbor, MI*

Moving to Bundled Payments: Costs of Lung Cancer Resections

Tasce Bongiovanni, MD, Raymond Jean, MD, Xiao Xu, Pamela Soulos, MPH, Jeph Herring, Anthony W. Kim, MD, FACS and Cary Gross, MD. *University of California, San Francisco/Zuckerberg San Francisco General Hospital, San Francisco, CA, Yale, New Haven, CT, USC, Los Angeles, CA*

Effect of Early vs. Delayed Activation of Thoracic Epidural Anesthesia on Plasma Pro-Atrial Natriuretic Peptide to Indicate Deviations in Central Blood Volume during Esophagectomy

Rune B. Strandby, MD, Rikard Ambrus, MD, PhD, Michael P. Achiam, MD, PhD, DMSci, Jens P. Gotze, MD, DmSci, Niels H. Secher, MD, DmSci and Lars Bo Svendsen, MD, DMSci. *Rigshospitalet, University of Copenhagen, Copenhagen, Denmark*

Behind the Smoke: The Impact of Vaping on Primary Spontaneous Pneumothorax Outcomes

Mary K. Bryant, MD, Judson B. Williams, MD, MHS and Trevor C. Upham, MD. *WakeMed Health & Hospitals, Raleigh, NC, University of North Carolina, Chapel Hill, NC, Duke University, Durham, NC*

The Impact of Shifting Reimbursement for Extracorporeal Membrane Oxygenation

J.W. Awori Hayanga, MD, MPH, FACS, FRCS, FCCP, Kalee Vincent, Courtney Bainbridge, CCP, Brian Goodman, MD, Sari D. Holmes, PhD, Robert Herron, DO and Heather K. Hayanga, MD. *West Virginia University, Morgantown, WV*

Comparison of Sex Differences in Patients Undergoing Resection for Lung Cancer: Time to Move beyond the One-Size-Fits-All Approach

Giye Choe, MD, Tamar B. Nobel, MD, Katherine D. Gray, MD, Valerie W. Rusch, MD, FACS, Smita Sihag, MD, MPH, David R. Jones, MD, FACS and Daniela Molena, MD, FACS. *Memorial Sloan Kettering Cancer Center, New York, NY*

Is Open Left Thoraco-Abdominal Esophagectomy a Viable Option in the Era of Minimally Invasive Esophagectomy?

Fredrik Klevebro, MD, PhD, Piers R. Boshier, MD, PhD, Carmen Mueller, MD, Jonathan Cools-Lartigue, MD, Lorenzo Ferri, MD, FACS and Donald E. Low, MD, FACS. *Virginia Mason Medical Center, Seattle, WA, McGill University, Montreal, ON, Canada*

Targeting Tyrosine Phosphorylation of Hexim1 Attenuates Non-Small Cell Lung Carcinoma in Xenograft Model of Lung Cancer

Mohammad Choudhary, MD, Eduardo Mascareno, PhD, Manya Dhar-Mascareno, PhD, Renato Perez-Pena, MD and Daniel L. Beckles, MD, FACS. *SUNY Downstate Medical Center, Brooklyn, NY, SUNY College at Old Westbury, Old Westbury, NY, UHS Heart and Vascular Institute, Johnson City, NY*

Treatment of Tracheoesophageal Fistula by Magnetic Compression Technique: A Preliminary Experiment Study

Xiaopeng Yan, MD, PhD, Dan Ye, MD, Bo Deng, MD, Yong Zhang, MD, PhD and Yi Lv, MD. *First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China*

Station 2**Colon and Rectal Surgery****MODERATORS:**

Jason F. Hall, MD, MPH, FACS, FASCRS, *Lincoln, MA*
Elizabeth C. Wick, MD, FACS, *San Francisco, CA*

Crohn's Related Stage IV Colorectal Cancer vs. Sporadic Colorectal Cancer: A Comparison of Outcomes Based on Three-Decade Experience

Mariane Gouvea Monteiro de Camargo, MD, Alexandra C. Aiello, MPH, Tracy L. Hull, MD, FACS, David Liska, MD, FACS, Matthew F. Kalady, MD, FACS, Scott R. Steele, MD, FACS, FASCRS, Conor P. Delaney, MBBCh, PhD, FACS and Hermann P. Kessler, MD, PhD, FACS. *Cleveland Clinic Foundation, Cleveland, OH, Cleveland Clinic, Cleveland, OH, Cleveland Clinic Foundation, Beachwood, OH*

Intraoperative Indocyanine Fluorescent Angiography in Laparoscopic Colorectal Surgery

Mirosław K. Szura, MD, PhD, FACS, Tomasz Gach, MD, PhD, Wojciech Szwed, MD and Maciej Szura. *Jagiellonian University, Krakow, Poland, Hospital of Brothers Hospitallars of St. John of God, Krakow, Poland, Medical University of Silesia, Katowice, Poland*

Crohn's Disease Related Colorectal Cancer vs. Sporadic Colorectal Cancer: A Case-Matched Study Based on Three Decades of Experience

Mariane Gouvea Monteiro de Camargo, MD, Tracy L. Hull, MD, FACS, Matthew F. Kalady, MD, FACS, Alexandra C. Aiello, MPH, David Liska, MD, FACS, Scott R. Steele, MD, FACS, FASCRS, Conor P. Delaney, MBBCh, PhD, FACS and Hermann P. Kessler, MD, PhD, FACS. *Cleveland Clinic Foundation, Cleveland, OH, Cleveland Clinic, Cleveland, OH, Digestive Disease and Surgery Institute, Cleveland, OH, Cleveland Clinic Foundation, Beachwood, OH*

MRI-Defined Low Rectal Cancer: A Comparative Analysis of Pathological Outcomes after Transanal vs. Laparoscopic Total Mesorectal Excision

Francisco B. de Lacy, MD, Yoelimar Guzmán, MD, Jordi Farguell, MD, Jacqueline van Laarhoven, MD, PhD, Ana M. Otero Piñeiro, MD, PhD, Raquel Bravo, MD, José Ríos, MSc and Antonio M. Lacy, MD, PhD. *Hospital Clinic of Barcelona, Barcelona, Spain, Jeroen Bosch Ziekenhuis, Hertogenbosch, Netherlands*

Clockwise Continuous Total Colectomy with End Ileostomy in Medically Refractory Ulcerative Colitis Using Single-Incision Laparoscopy: An Attractive and Effective Approach

Ipek Sapci, MD, Michael A. Valente, MD, FACS, FASCRS, Tracy L. Hull, MD, FACS, FASCRS, Scott R. Steele, MD, FACS, FASCRS and Emre Gorgun, MD, FACS, FASCRS. *Cleveland Clinic, Cleveland, OH*

Discharge Destination Following Emergent Major Colectomy: An Analysis of Preoperative and Intraoperative Predictive Factors

Mehida Rojas-Alexandre, MD, David A. Mahvi, MD, FACS, Pamela Lu, MD, Richard D. Urman, MD, MBA, Jason S. Gold, MD, FACS and Edward E. Whang, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Risk Factors and Attributable Mortality of Colon Resection in Patients Afflicted with Crohn's Disease

Poya Pourghaderi, DO, Lauren Mansfield, MPH, Rolando H. Rolandelli, MD, FACS, Camila Roginski Guetter and Laila Rashidi, MD, FACS. *Morristown Medical Center, Morristown, NJ, Boston University, Boston, MA, Universidade Federal do Paraná, Curitiba, Brazil, University of Texas Medical Branch, Galveston, TX*

Declining Incidence of Anal Canal Adenocarcinoma: A Look at the Last 30 Years

Shekhar Gogna, MBBS, Mahir Gachabayov, MD, David J. Samson, MS and Xiang D. Dong, MD, FACS. *Westchester Medical Center, Elmsford, NY, Westchester Medical Center, Valhalla, NY*

Is Enhanced Recovery after Colon and Rectal Surgery Program in Elderly Patients Safe and Effective?

Mohammed Al-Temimi, MD, Katerina Wells, MD, MHS, James Jr. Fleshman, MD, FACS and Walter Peters, MD, MBA, FACS. *Baylor University Medical Center, Dallas, TX*

Laparoscopic Total Mesorectal Excision for Rectal Cancer Surgery: Does Elective Diverting Ileostomy Really Protect?

Damiano Caputo, MD, FACS, Chiara Cascone, MD, Eleonora Cella, Vincenzo La Vaccara, MD, PhD, Silvia Angeletti, MD, Mariacristina Cartillone, MD, Massimo Ciccozzi, PhD, Alessandro Coppola, MD, PhD and Roberto Coppola, MD, FACS. *Università Campus Bio-Medico di Roma, Rome, Italy, Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, Italy*

Laparoscopic Complete Mesocolic Excision (CME) with D3 Lymph Node Dissection for Right Colon Cancer in Elderly Patients

Duk Yeon Hwang, MD, PhD, Ji Hoon Kim, MD, PhD and Yoon Suk Lee, MD, PhD. *Incheon St. Mary's Hospital, The Catholic University of Korea, Incheon, Korea, Republic of, Seoul St. Mary's Hospital, The Catholic University of Korea, Seoul, Republic of Korea*

Clinical Presentations and Outcomes of Crohn's Disease in a Middle Eastern Population

Saba Al-Saddah, MD, Fawaz Abdul Raheem, MD, FRCS, Rawan Al-Rubaiah, Abdulaziz Al-Mubarak, MD, Sarah Al Ben Ali, MD and Jasim Al-Abbad, MD, FACS, FRCS. *Mubarak Alkabeer Hospital, Kuwait, Kuwait, Kuwait University, Kuwait, Kuwait*

Reducing Surgical Site Infections (SSI) in Colorectal Surgery by Implementing Postoperative Intervention: A Multicenter Experience

Ali Kimyaghalam, MD, Robert DeVito, Kyle Phillips, MD and James Hubert. *Western Reserve Health Education, Youngstown, OH, NEOMED, Rootstown, OH, Ohio State University, College of Osteopathic Medicine, Athens, OH*

The Impact of Ileostomy Creation on Patient Morbidity and Mortality Using: A Matched Propensity Score Analysis of the ACS NSQIP® Dataset

YuWei W. Chang, MD, MS, Daniel Davenport, PhD and Jitesh Patel, MD, FASCRS, FACS. *University of Kentucky, Lexington, KY*

Station 3

Plastic and Maxillofacial Surgery

MODERATORS:

Please see addendum and Clinical Congress App.

Perioral Dog Bites: A Retrospective Evaluation from 2014-2018 in a Tertiary Level Center in Mexico

Israel Espino-Gaucin, MD, RAS-ACS, Carlos Altamirano Arcos, MD, Luciano Nahas Combina, MD, Enrique Chavez Serna, MD, Oscar Porras-Escordia, MD and Laura Andrade Delgado, MD. *Hospital General Dr. Manuel Gea González, Ciudad de México, México, Instituto de Seguridad Social del Estado de México y Municipios, San Pedro Cholula, Mexico*

Six-Year Burden of Care for Non-Syndromic Unilateral Cleft Lip and Palate Patients: A Comparison between Cleft Centers and Non-Cleft Centers

Pierce Janssen, MD, Gabriel M. Klein, MD, Kanad Ghosh, Wei Hou, PhD, Christopher Bellber, MD and Alexander Dagum, MD, FACS. *Stony Brook University, Stony Brook, NY*

Bone Regeneration with Wharton Jelly in a Alveolar Cleft Defect Model

Louis A. Carrillo, MD, MHS, Akshita Kumar, MD, Fabio Triolo, DdR, MPhil, PhD, Hasen Xue, MD, Catherine Ambrose, PhD, Xiaohong Bi, PhD, Henry Caplan, MD, Aaron Issac and Charles S. Cox, Jr., MD, FACS. *McGovern Medical School at the University of Texas Health Science Center at Houston, Houston, TX*

Functional Three-Dimensional Printed Finger Protheses

Oswaldo I. Guevara Valmana, MD, Jose E. Telich Tarriba, MD, Miguel A. Santiago Gorostieta, and Edna Rangel. *Hospital General Dr. Manuel Gea González, Ciudad de México, México.*

Donor Site Seroma Management after Latissimus Dorsi Flap for Post Mastectomy Reconstruction in Patients with Breast Cancer. Meta-Analysis of Randomized Controlled Trials

Garrett M. Minor, Michael J. Jalfon, Martin D. Fleming, MD, FACS, Paxton V. Dickson, MD, FACS, Jeremiah L. Deneve, DO, FACS, Evan S. Glazer, MD, FACS and Danny Yakoub, MD, PhD, FACS. *University of Tennessee Health Science Center, Memphis, TN*

Wide-Awake Surgery in Hand Fractures: Experience of a Referral Center of Plastic Surgery in Mexico City

David Navarro Barquin, MD and Enrique Chavez Serna, MD. *General Hospital Dr. Manuel Gea Gonzalez, Mexico, Mexico, Hospital General Dr. Manuel Gea Gonzalez, Mexico, Mexico*

Free Fibula Flaps for Mandibular Reconstruction in Children with Congenital Anomalies: A Systematic Review

Laura C. Nuzzi, Joseph M. Firriolo, MD, Rushil R. Dang, DDS, MD, Steven J. Caldronery, DDS, MD and Brian I. Labow, MD, FACS. *Boston Children's Hospital, Harvard Medical School, Boston, MA, University of California, Davis Medical Center, Sacramento, CA, Boston Medical Center, Boston, MA*

Assessing State Variation in Plastic Surgeon Exposure Risk to Hepatitis C

Cody L. Mullens, Kristen M. Hardy, Ian L. McCulloch and Aaron C. Mason, MD, FACS, FAAP. *West Virginia University, Morgantown, WV, University of Pennsylvania, Philadelphia, PA,*

Novel Clinical Assessment of Head and Neck Volume

Shiva Rangwani, Roman Skoracki, MD, FACS and Ajit Chaudhari, MD, FACS. *Ohio State University College of Medicine, Columbus, OH, Ohio State University Comprehensive Cancer Center, Columbus, OH, Ohio State University Wexner Medical Center, Columbus, OH*

A Tarsal Tunnel Musculature Variant to Consider When Performing a Tarsal Tunnel Decompression in the Treatment of Diabetic Neuropathy

Douglas J. Maslowski, Sean B. Snyder, Cristiane M. Ueno, MD, FACS and H. Wayne Lambert, PhD. *West Virginia University, Morgantown, WV*

Comparison of Amniotic Membrane and Collagen Nerve Wraps around Sciatic Nerve Reverse Autografts in a Rat Sciatic Nerve Model

Erin M. Wolfe, Sydney A. Mathis, Steven Ovadia, MD, Taylor Wiener, Daisy Gonzalez, Prakash Mathew, MD, Damien D. Pearse, PhD, Christopher J. Salgado, MD and Zubin J. Panthaki, MD, FACS. *University of Miami, Miami, FL*

The Impact of Socioeconomic and Geographical Risk Factors on Health Outcomes in Children with Craniosynostosis in West Virginia

Jessica L. Biagiotti and Aaron C. Mason, MD, FACS, FAAP. *West Virginia University, Morgantown, WV*

Fetal Bovine Dermal Matrix Grafting on Bone and Tendon: A Single-Center Experience

Ekaterina Fedorova, MD, Sami Shoucair, MD, David Blitzer, MD and David Z. Martin, MD, FACS. *Medstar Health, Baltimore, MD, Medstar Health, Timonium, MD, Medstar Good Samaritan Hospital, Baltimore, MD*

Station 4

Transplantation and Tissue Engineering

MODERATORS:

Sayed K. Malek, MBBS, FACS, *Boston, MA*

Ali Zarrinpar, MD, PhD, FACS, *Gainesville, FL*

JUN Drives Pathologic Scarring by Activating Key Fibroproliferative Pathways in Fibroblast Subpopulations

Mimi R. Borrelli, MBBS, Julia T. Garcia, MS, Alessandra L. Moore, MD, Ronak A. Patel, Shamik Mascharak, Bryan Duoto, MA, Lu Cui, MS, Derrick C. Wan, MD, FACS, Gerlinde Wernig, MD and Michael T. Longaker, MD, MBA, FACS. *Stanford, Palo Alto, CA, Stanford, Santa Cruz, CA, Stanford University, Stanford, CA*

Outcomes of Fat Grafting in Irradiated Tissue Are Improved by Pre-Treatment with Transdermal Deferoxamine

Mimi R. Borrelli, MBBS, Ronak A. Patel, Jan Sokol, Arash Momeni, MD, Michael T. Longaker, MD, MBA, FACS and Derrick C. Wan, MD, FACS. *Stanford, Palo Alto, CA, Stanford University, Freeman Spogli Institute for International Studies, Chicago, IL, Stanford University, Stanford, CA*

Prediction of Post-Listing Outcome by Machine Learning Using Transplant Center Data

Junichiro Sageshima, MD, FACS and Richard V. Perez, MD, FACS. *University of California, Davis Health, Sacramento, CA*

Impact of Graft Steatosis on Long-Term Graft Survival in Liver Transplantation

Ka Wing Ma, MBBS, MS, FRCS, Wong Hoi She, MBBS, FRCS, Tan To Cheung, MBBS, MS, MD, FACS, James Fung, MD, MBBS and Kenneth Siu Ho Chok, MBBS, MS, FACS. *University of Hong Kong, Hong Kong, China*

Gender Discrepancy and Parental Decision in Living Organ Donation to Children

Jin-Ming Wu, MD, PhD, Ya-Ching Hung, MD, MPH, Yu-Tien Hsu, MD, MPH, Charles Rickert, MD, Heidi Yeh, MD, FACS and David C. Chang, MD, MPH, MBA, PhD. *National Taiwan University Hospital, Taipei, Taiwan, Massachusetts General Hospital, Boston, MA*

Analysis of Female Authorship in Two Transplant Journals: Is There a Gender Gap?

Taylor M. Branstool, Margaret A. Reilly, MS, Alexandra Kivnick, Reynold I. Lopez-Soler, MD, PhD, FACS, Paulo N. Martins, MD, PhD, FACS, Obi Ekwenna, MD, FACS and Jorge Ortiz, MD. *University of Toledo College of Medicine and Life Sciences, Toledo, OH, Albany Medical College, Albany, NY, University of Massachusetts Medical School, Worcester, MA*

Pretransplant Visceral Adiposity is Closely Involved with Posttransplant Septic Shock after Living Donor Liver Transplantation

Sena Iwamura, MD, Toshimi Kaido, MD, PhD, Yosuke Miyachi, MD, Siyuan Yao, MD, Hisaya Shirai, MD, Naoko Kamo, MD, PhD, Shintaro Yagi, MD, PhD, FACS and Shinji Uemoto, MD, PhD. *Kyoto University, Kyoto City, Japan, Kyoto University, Kyoto, Japan*

Adipose Stem Cells Promote Composite Tissue Engraftment

Nicole M. Shockcor, MD, Bryan Buckingham, MD, Wessam Hassanein, MD, Urmil Dhru, Eric A. Elster, MD, FACS, Thomas Davis, PhD, Jeffrey Gimble, MD, PhD, Arthur Nam, MD and Rolf N. Barth, MD, FACS. *University of Maryland, Baltimore, MD, Uniformed Services University of the Health Sciences, Bethesda, MD, LaCell LLC, New Orleans, LA*

Implanted Resveratrol-Loaded PCL Scaffold Improves Cardiac Function Following Myocardial Infarction in Mice

Jacob D. Campbell, DO, MPH, Vaithinathan Selvaraju, PhD, David W. McFadden, MD, FACS, Mahesh Thirunavukkarasu, PhD and Nilanjana Maulik, PhD, FAHA. *University of Connecticut, Farmington, CT*

A Biofunctional Vascular Scaffold for Replacing Small-Diameter Blood Vessels

Young Min Ju, PhD, Ickhee Kim, MD, John D. Jackson, PhD, James J. Yoo, MD, PhD, Sang Jin Lee, PhD and Anthony Atala, MD, FACS. *Wake Forest University, Winston-Salem, NC*

CD74+ Adipose-Derived Stromal Cells Have Anti-Fibrotic Effects in Grafted Fat in the Irradiated and Non-Irradiated Setting

Mimi R. Borrelli, MBBS, Ronak A. Patel, Jan Sokol, Dung Nguyen, MD, Arash Momeni, MD, Michael T. Longaker, MD, MBA, FACS and Derrick C. Wan, MD, FACS. *Stanford, Palo Alto, CA, Stanford University, Freeman Spogli Institute for International Studies, Chicago, IL, Stanford University, Stanford, CA*

Potential Use of Autologous Renal Cells from Diseased Kidneys for the Treatment of Renal Failure

Sunil George, PhD, John D. Jackson, PhD, Anthony Atala, MD, FACS and James J. Yoo, MD, PhD. *Wake Forest University, Winston-Salem, NC*

Overcoming Socioeconomic Barriers in the Access to Liver Transplantation: Outcomes of Patients Transplanted under a State Charity Care Program

Flavio Paterno, MD, FACS, Jesus Rosado, MD, Raquel Olivo, MD, Lloyd Brown, MD, FACS, Dorian Wilson, MD, Samuel Gavzy, MS, Nikolaos Pyrsopoulos, MD, Baburao Koneru, MD, Anne C. Mosenthal, MD, FACS and James Guarrera, MD, FACS. *Rutgers-New Jersey Medical School, Newark, NJ*

Minimizing Risks Associated with Steatotic Donor Livers by Matching to Preferred Recipients

Kyle R. Jackson, MD, Mary G. Bowring, MPH, Christine Haugen, MD, Courtenay Holscher, MD, Benjamin Philosophie, MD, PhD, Dorry Segev, MD, PhD and Jacqueline Garonzik-Wang, MD, PhD. *Johns Hopkins Hospital, Baltimore, MD*

Improvement in Long-Term Survival Outcome in Adult-to-Adult Living Donor Liver Transplantation-A 20-Year Experience in Hong Kong

Kelvin K. Ng, MBBS, MS, PhD, FHKAM, FACS, FRCSEd. *University of Hong Kong, Hong Kong, Hong Kong*

Station 5

Health Services Research

MODERATORS:

Gezzer Ortega, MD, Boston, MA

Susan C. Pitt, MD, FACS, Madison, WI

Race and Gender Differences in Perioperative Opioid Prescribing Patterns

Eva Williams, MS, Hsou Mei Hu, PhD, MBA, MHS, Katherine Santosa, MD, Joceline Vu, MD, Chad Brummett, MD, Michael J. Englesbe, MD, FACS and Jennifer Waljee, MD, MPH, MS, FACS. *University of Miami, Miami, FL, University of Michigan, Ann Arbor, MI*

Characterizing the Treatment Locations of Postoperative Ambulatory Care Sensitive Conditions after Adult Colorectal Surgery

Stephanie Lumpkin, MD, Stephanie Gray, MD, Timothy Carey, MD and Karyn Stitzenberg, MD, FACS. *University of North Carolina, Chapel Hill, NC*

Membership in a Surgical Specialty Organization Is a Better Predictor of High-Volume Surgeons and Hospitals Than Specialty Training Pathway for Endocrine Operations

Jennifer H. Kuo, MD, MS, FACS, Quan-Yang Duh, MD, FACS, Herbert Chen, MD, FACS, John A. Chabot, MD, FACS and James A. Lee, MD, FACS. *Columbia University, New York, NY, University of California, San Francisco, San Francisco, CA, University of Alabama at Birmingham, Birmingham, AL*

Mitigating Clinician Burnout by Promoting Academic Merit through Health Care Entrepreneurship and Innovation

Alexandra A. Eisenbeiss, MS, Bianca E. Rich, Justin R. Brunson and John T. Langell, MD, PhD, MPH, MBA, FACS. *University of Utah, Salt Lake City, UT, University of Utah, Center for Medical Innovation, Salt Lake City, UT*

Is There a Gap in Providers' Knowledge of the Women's Health and Cancer Rights Act (WHCRA)?

Kristen M. Hardy, Stephenie Kennedy-Rea, EdD and Cristiane M. Ueno, MD, FACS. *West Virginia University, Morgantown, WV*

Beyond Medication Education: Opportunities for Improvement in Health Education of Solid Organ Transplant Recipients

Yu-Tien Hsu, MD, MPH, Charles G. Rickert, MD, PhD, Ya-Ching Hung, MD, MPH, Leigh Anne Dageforde, MD, MPH, David C. Chang, MD, MPH, MBA, PhD, James F. Markmann, MD, PhD, FACS, Heidi Yeh, MD, FACS and Yanik Bababekov, MD, MPH. *Massachusetts General Hospital, Boston, MA*

Should Pancreatic Cancer Care Be Regionalized? The Effect of Distance Traveled to Treating Facility for Pancreatic Resection on Overall Survival

Kathryn E. Engelhardt, MD, William P. Lancaster, MD, Melissa A. Hornor, MD, MS, David B. Adams, MD, FACS and Katherine A. Morgan, MD, FACS. *Medical University of South Carolina, Charleston, SC, The Ohio State University Wexner Medical Center, Columbus, OH*

Surgical Deserts in Texas and the Implications for Residency Programs

Roy H. Baskin, IV, Imam Xierali, PhD and Kareem R. Abdel-Fattah, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Health Care Utilization and Mortality after Emergency General Surgery in Patients with Underlying Liver Disease: A National Perspective

Lakshika Tennakoon, MD, MPhil, Waldo Concepcion, MD, FACS, Marc L. Melcher, MD, PhD, FACS, David A. Spain, MD, FACS and Lisa M. Knowlton, MD, MPH, FRCSC. *Stanford University Medical Center, Stanford, CA*

Combatting Sleep Deprivation in Surgical Residents and the Effects of Power Naps on Health Care

Jessie Van Daele, PhD, Mindy N. Le, MD and Armand P. Asarian, MD, FACS. *The Brooklyn Hospital Center, Brooklyn, NY, St. George's University, Grenada, Grenada*

Conceptual Frameworks for Postoperative Recovery: A Scoping Review

Benjamin T. Many, MD, Mohamed Hasan, MD, MPH, Yazan K. Rizeq, Jonathan Vacek, MD, Mehul V. Raval, MD, FACS, Fizan Abdullah, MD, PhD, FACS and Hassan Ghomrawi, PhD, MPH. *Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, Northwestern University-Institute for Public Health and Medicine, Chicago, IL*

Predictor Factors of Biliary Ducts Clearing Failure after Preoperative Endoscopic Retrograde Cholangiopancreatography in Choledocolithiasis

Luciano R. Nahas Combina, MD, Enrique Chavez Serna, MD, Carlos Altamirano Arcos, MD, Israel Espino-Gaucin, MD and Oscar Porras-Escorcía, MD. *Nuevo Hospital San Roque, Cordoba, Argentina, Hospital General Dr. Manuel Gea Gonzalez, Mexico City, Mexico, Hospital General Manuel Gea Gonzalez, Mexico City, Mexico, ISSEMYN, San Pedro Cholula, Mexico*

Urinary Retention Post-Open vs. Laparoscopic vs. Robotic Inguinal Hernia Repair: A Comparative Retrospective Review

Yacoub Zayadin, MBBS, Jason D'John, DO, Bashar Yaldo, MD, FACS and Malik McKany, MD, FACS. *St. Joseph Mercy Oakland Hospital, Pontiac, MI*

Station 6

Trauma and Critical Care

MODERATORS:

Rondel P. Albarado, MD, FACS, *Houston, TX*
John A. Harvin, MD, FACS, *Houston, TX*

Acute Kidney Injury (AKI) Free Days after Trauma: A Metric for Clinical Trials

Gabrielle E. Hatton, MD, Shuyan Wei, MD, John A. Harvin, MD, MS, FACS, Charles E. Wade, PhD and Lillian S. Kao, MD, MS, FACS. *University of Texas Health Science Center at Houston, Houston, TX*

Utility of On-Admission Elevated Serum Myoglobin in Trauma Patients

Khalid Ahmed, MD, Ruben Peralta, MD, FACS, Ayman El-Menyar, MD, Husham M. Ahmed, MBBCh, FACS and Hassan Al-Thani, MD. *HMC, Doha, Qatar, Hamad General Hospital, Doha, Qatar*

Readmission for Opioid Dependence Following Firearm Injury: A Nationwide Analysis

Heather Peluso, DO and Marwan S. Abougergi, MD. *Prisma Health Upstate, Greenville, SC, Prisma Health Midlands, Columbia, SC*

High Revised Trauma Score-Beware!

Jillian Taguchi, MD, Julie Valenzuela, MD, Brandon J. Fumanti, MD, Jay Yelon, DO, FACS, Lisa Szydziak, MS and Michael D. Grossman, MD, FACS. *Southside Hospital, Bayshore, NY*

Do Plasma Biomarkers Have Value in Identifying Hypoxemic Trauma Patients Who Will Develop ARDS?

James T. Ross, MD, Carolyn M. Hendrickson, MD, Brenda Nunez-Garcia, Erin Ross, Amanda Conroy, Michael A. Mat-thay, MD, Rachael A. Callcut, MD, MSPH, FACS and Lucy Z. Kornblith, MD. *University of California, San Francisco, San Francisco, CA*

Pre-Diabetes Is Associated with Increased Sepsis Mortality

Toby P. Keeney-Bonthrone, Lynn M. Frydrych, MD, Elizabeth S. Jewell, MS, Milo C. Engoren, MD and Matthew J. Delano, MD, PhD, FACS. *University of Michigan, Ann Arbor, MI*

Design and Implementation of an Emergency Department Injury Alert Protocol in a Level II Accredited Trauma Center to Decrease Over and Under-Triage

Richard A. Lopez, DO, FACS, FACOS. *Geisinger Wyoming Valley Medical Center, Wilkes-Barre, PA*

Traumatic Epidural Hematomas in Children: Epidemiological, Clinical Characteristics, and Diagnostic Pitfalls

Camilla Cremonini, MD, Meghan R. Lewis, MD, FACS, Monica D. Wong, MS, Elizabeth R. Benjamin, MD, PhD, FACS, Kenji Inaba, MD, FACS and Demetrios Demetriades, MD, PhD, FACS. *LAC+USC Medical Center, Los Angeles, CA*

Implementation of a Perioperative Cardiac Risk Stratification Protocol Is Associated with Improved Adherence with American Heart Association Guidelines in Geriatric Orthopaedic Trauma Patients

Bryce E. Haac, MD, Ugo Udogwu, Marckenley Isaac, MS, Jake Johnson, MS, Marcus F. Sciadini, MD, Robert V. O'Toole, MD and Deborah M. Stein, MD, MPH, FACS. *University of Maryland, Baltimore, MD, Air Force Institute of Technology (AFIT/ENC), Wright Patterson Air Force Base, OH*

Emergency Surgical Care Needs in Space: Supporting the NASA Mission to Mars

Reynold Henry, MD, Danyal Fer, MD, Zachary Warriner, MD, George Pantalos, PhD and Aaron M. Strumwasser, MD, FACS. *University of Southern California, Los Angeles, CA, University of California, San Francisco-East Bay, Oakland, CA, University of Louisville, Louisville, KY*

Do Acute Inpatient Factors Predict Opioid Prescriptions on Discharge in Trauma Patients?

Kristyn A. Pierce, Prachi Bhatt, PharmD, BCPS, BCCCP, Beatrix H. Choi and Patricia R. Ayoung-Chee, MD, MPH, FACS. *New York University, New York, NY*

A Five-Year Study of Gunshot Injury Patterns at an Urban Level 1 Trauma Center

Alison A. Smith, MD, PhD, Jennifer Avegno, MD, Kevin Slaughter, MD, Tyler Zeoli, Victor Nguyen, Daniel Tagerman, Jessica Friedman, MD, Patrick McGrew, MD, Rebecca W. Schroll, MD, FACS and Juan C. Duchesne, MD, FACS. *Tulane University, New Orleans, LA, Louisiana State University, New Orleans, LA*

Damage-Control Surgery: A Three-Year Experience at an American College of Surgeons (ACS) Verified Level 1 Trauma Center

Ramy Abdel-Naby, MD, Deoranie N. Abdel-Naby, MD and Akella Chendrasekhar, MD, FACS. *SUNY Downstate Medical Center, Brooklyn, NY, Richmond University Medical Center, Staten Island, NY*

SP320 | 2:30-4:00 pm

e-Posters VI

LOCATION: MS 201-203

Station 1**Cardiothoracic Surgery**

MODERATOR:

Afshin Ehsan, MD, FACS, *Newton, MA*

Concomitant Valve Repair Returns Survival and Heart Failure Readmission to Baseline with Continuous Flow LVADs

Danielle Jacks, MD, Nathan Zwintschner, MD, Faisal Akhtar, MD and Aditya Bansal, MBBS, FACS. *Ochsner Clinic Foundation, New Orleans, LA*

Increased Cost of Care for Dialysis-Dependent Patients Undergoing Surgery for Infective Endocarditis

Rohan M. Shah, MPH, Laura Piechura, MD, Steve K. Singh, MD, MSc and Hari R. Mallidi, MD, FRCSC. *Brigham and Women's Hospital, Boston, MA*

Primary Malignant Cardiac Tumors: A Nationwide Analysis of Incidence, Treatment Factors and Outcome

Benjamin R. Zambetti, MD, Leah E. Hendrick, MD, Harvey E. Garrett, Jr., MD, FACS, Paxton V. Dickson, MD, FACS, Danny Yakoub, MD, FACS, Martin D. Fleming, MD, FACS, Evan S. Glazer, MD, FACS, Stephen W. Behrman, MD, FACS, David Shibata, MD, FACS and Jeremiah L. Deneve, DO, FACS. *University of Tennessee Health Science Center, Memphis, TN*

Echocardiographic Profiles and Reasons for Valve-Related Reoperation after Mechanical vs. Bioprosthetic Mitral Valve Replacement in Young Patients: Two Center Collaborative Experience

Sameer Hirji, MD, Andrea Axtell, MD, Sary Aranki, MD, Siobhan McGurk, Shana Osho, MD, MHS, Philicia Moonsamy, MD, Marc Pelletier, MD, MSc, Prem Shekar, MD, George Tolis, MD, FACS and Tsuyoshi Kaneko, MD, FACS. *Brigham and Women's Hospital, Boston, MA, Massachusetts General Hospital, Boston, MA*

Dialysis Dependence Is an Important Predictor of Mortality after Surgery for Infective Endocarditis

Rohan M. Shah, MPH, Laura Piechura, MD, Steve K. Singh, MD, MSc and Hari R. Mallidi, MD, FRCSC. *Brigham and Women's Hospital, Boston, MA*

Tissue Reaction to a Polyethylene Glycol-Based and Glutaraldehyde-Based Surgical Sealant in a Rabbit Aortic Anastomosis Model

Paul Slezak, MD, Andrea Klang, DVM, James C. Ferguson, DVM, Peter Schmidt, Barbara Bauder, PhD, Angelika Url, PhD, Marcin Osuchowski, PhD, Kevin M. Lewis, DVM, Daniel Spazierer, PhD and Heinz Gulle, PhD. *Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Vienna, Austria, University of Veterinary Medicine Vienna, Vienna, Austria, Baxter Healthcare Corporation, Deerfield, IL*

A Propensity Score-Matched Analysis of Robotic, Thoracoscopic, and Open Segmentectomies: Comparing Outcomes for 8th Edition Clinical Stages IA1-3 Non-Small Cell Lung Cancer

Fernando Espinoza Mercado, MD, FACS, Taryne A. Imai, MD and Harmik J. Soukiasian, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

Acute Pain Management after Esophagectomy: Comparing Opioid-Naive Patients and Chronic-Opioid Users

Catherine Gilbert, Lynze Franko, Alexander Brescia, MD, Andrew C. Chang, MD, FACS, Philip W. Carrott, MD, FACS, Jules Lin, MD, FACS, William R. Lynch, MD, FACS, Mark B. Orringer, MD, FACS, Rishindra Reddy, MD, FACS and Kiran H. Lagisetty, MD, FACS. *University of Michigan, Ann Arbor, MI*

Neutrophil/Lymphocyte Ratio, Platelet/Lymphocyte Ratio and Systemic Immune-Inflammation Index: Do They Have a Role in Predicting Complications after Lung Cancer Resections?

Fernando Espinoza Mercado, MD, FACS, Maggie Ching, PA-C, Taryne A. Imai, MD and Harmik J. Soukiasian, MD, FACS. *Cedars-Sinai Medical Center, Los Angeles, CA*

360° Virtual Reality Consultation for the Thoracic Surgery Patient

Keith D. Mortman, MD, FACS, Ryan Mortman and Alana Sadur. *George Washington University Hospital, Washington, DC*

Prolonged Air Leak Following Robotic Lobectomy Is Associated with Surgeon Learning Curve

Helen Y. Ho, MD, Cameron T. Stock, MD, FACS, Syed M. Quadri, MD, FACS, Christina Williamson, MD, FACS and Elliot L. Servais, MD, FACS. *Lahey Hospital and Medical Center, Burlington, MA*

Unknown Synchronous Pulmonary Lesions and Cancer Recurrence: Can We Predict Outcomes?

Matthew Garner, MD, Nadege Fackche, MD, Errol L. Bush, MD, FACS, Nagina Malguria, MD and Malcolm V. Brock, MD, FACS. *Johns Hopkins Hospital, Baltimore, MD*

Management of Benign Esophageal Perforation in the National Inpatient Sample

Natalie Lui, MD, Prasha Bhandari, MPH, Leah Backhus, MD, MPH, FACS, Douglas Liou, MD, Joseph Shrager, MD and Mark F. Berry, MD. *Stanford University, Stanford, CA*

Station 2

Surgical Education

MODERATORS:

Stephanie D. Gordy, MD, FACS, *Houston, TX*
Paul J. Schenarts, MD, FACS, *Omaha, NE*

Long-Term Changes in Knowledge of Pain Management and Opioid Prescribing Best Practices in Surgical Interns

Kevin R. Arndt, MD, MS, Kortney Robinson, MD and Gabriel Brat, MD, FACS. *Beth Israel Deaconess Medical Center, Boston, MA*

Mind the Gap-Female Residents Are Underrepresented as Award Recipients in General Surgery Programs

Lindsay Kuo, MD, Heather Lyu, MD, Molly Jarman, MPH, Nelya Melnitchouk, MD, MSc, FACS, Gerard M. Doherty, MD, FACS, Douglas Smink, MD, MHS and Nancy L. Cho, MD, FACS. *Temple University, Philadelphia, PA, Brigham and Women's Hospital, Boston, MA*

Surgical Faculty Emotional Intelligence is Associated with Resident Evaluations

Holly B. Weis, MD, Joshua J. Weis, MD, Audra T. Clark, MD, Luis R. Taveras, MD, Rebecca H. Napier, MBA, Suzanne J. Farmer, PhD, Herbert J. Zeh, III, MD, FACS and Kareem R. Abdelfattah, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Multidisciplinary Team Simulation Training to Promote Operating Room Safety Culture

Katherine Jackson, MD, Farishta Nezmuddin, MPH, Wendy Bernstein, Amy L. Butts, RN, Patricia A. James, RN, Kimberly Buholtz, RN, Ahmed Ghazi, MD, Ronald Bossert, MD, Sarah Peyre, EdD and Derek S. Wakeman, MD, FACS, FAAP. *University of Rochester Medical Center, Rochester, NY, Rochester, NY, University of Rochester Medical Center, North Chili, NY, University of Rochester Medical Center, Naples, NY, University of Rochester, West Henrietta, NY, University of Rochester, Rochester, NY*

Summative Supervisor Reporting:

A Quality Performance Perspective

Luke Hopkins, MBBCh, MRCS, David Robinson, MB, ChB, MRCS, Christopher Brown, MBBCh, MRCS, Tarig Abdelrahman, MD, Arfon Powell, PhD, MRCS, Sarah Hemington-Gorse, FRCS(Plast), Michael J. Pollitt, FRCS, Wyn G. Lewis, MD, DSc, FRCS and Richard J. Egan, MD, FRCS. *Health Education and Improvement Wales, Cardiff, United Kingdom, Cardiff University, Cardiff, United Kingdom, Abertawe Bro Morgannwg University Health Board, Swansea, United Kingdom*

Integrating the DiSC® Model into Intramural Leadership Training within General Surgery Residency to Facilitate Improvement in Team Communication and Dynamics

William A. Burns, MD and Nell Maloney Patel, MD, FACS, FACRS. *Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ*

Gender Bias in General Surgery Resident Applicant Letters of Recommendation (LoR)

Emily Palmquist, MD and Lilian Chen, MD, FACS. *Tufts Medical Center, Boston, MA*

Using Surgical Simulation to Decrease Institutional Sharps Exposures

Taylor P. Williams, MD, Clifford Snyder, MPAS, PA-C, Kristen Kahrig, Shannon Delao, CST, Douglas S. Tyler, MD, FACS and Alexander Perez, MD, FACS. *University of Texas Medical Branch, Galveston, TX*

Medical Missions and the General Surgery Resident

Pamela A. Rudnicki, MD and Robert M. Cromer, MD, FACS. *Keesler Medical Center, Keesler Air Force Base, Biloxi, MS*

Prospective Cohort Study of Haptic Virtual Reality Laparoscopic Appendectomy Learning Curve Trajectory

Chris Brown, MBBCh, MRCS, David Robinson, MRCS, Richard J. Egan, MD, FRCS, Luke Hopkins, MBBCh, MRCS, Tarig Abdelrahman, MBBCh, MRCS, Arfon Powell, MRCS, PhD, Michael J. Pollitt, FRCS and Wyn G. Lewis, MD, DSc, FRCS. *Health Education and Improvement Wales, Cardiff, United Kingdom, School of Surgery, Cardiff, United Kingdom, HEIW, Cardiff, United Kingdom*

Overcoming Hurdles to Video Recording in the Operating Room for Surgical Education

Martha Godfrey, MD, Kara Vande Walle, MD, Alexandra A. Rosser, Sudha Pavuluri Quamme, MD, MS, Caprice Greenberg, MD, MPH, FACS, Jacob A. Greenberg, MD, EdM, FACS and Sarah J. Jung, PhD. *University of Wisconsin-Madison, Madison, WI*

The Use of a Surgery Departmental Twitter in Influencing Doximity Reputation Rankings: Can You Tweet Your Way to the Top?

Kristin M. Gee, MD, Ruth E. Jones, MD, Rebecca H. Napier, MBA, Georgia Smith and Kareem R. Abdelfattah, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

The Morbidity and Mortality Conference: Are Changes Accepted?

Thomas Z. Hayward, III, MD, MBA, FACS, Stephanie A. Savage, MD, FACS, Jennifer N. Choi, MD, FACS, Emma J. Morone, CCRP and Nicholas J. Zyromski, MD, FACS. *Indiana University, Indianapolis, IN*

Station 3

Hepatobiliary and Pancreas

MODERATOR:

Vikas Dudeja, MDDS, *Pinecrest, FL*

Prognostic Factors in Pancreatic Cancer

Christos Svoronos, MD, Georgios Tsoulfas, MD, PhD, FACS, FICS and Efthimios Chatzitheoklitos, MD, PhD. *AMEOS Klinikum Halberstadt, Halberstadt, Germany, First Aristotle University of Thessaloniki, Thessaloniki, Greece, Interbalkan Center, Thessaloniki, Greece*

Pancreatic Serous Cystadenoma Expansion Rate: Is It Predictable?

Turgut Bora Cengiz, MD, Kevin M. El-Hayek, MD, FACS, Toms Augustin, MBBS, FACS, Robert Simon, MD, Gareth Morris-Stiff, MBBCh, FACS and R. Matthew Walsh, MD, FACS. *Cleveland Clinic, Cleveland, OH*

Utilizing Hepatobiliary Scintigraphy (HIDA) Scans in the Tokyo Guidelines Era for Acute Cholecystitis

Gustavo Romero-Velez, MD, Cosman C. Mandujano, MD, Xavier Pereira, MD, Michael Parides, PhD, W. Scott Melvin, MD, FACS and John McAuliffe, MD, PhD, FACS. *Montefiore Medical Center, Bronx, NY*

HDAC6 Plays a Role in Mitigating Acetaminophen Toxicity and Increasing Liver Regeneration

Seth J. Concors, MD, Paul J. Hernandez, MD, Douglas Murken, MD, David Aufhauser, Jr., MD, Lauren N. Krumeich, MD, Zhonglin Wang, MD, Guanghui Ge, MD, Wayne Hancock, MBBS, PhD, FRCPA and Matthew H. Levine, MD, PhD, FACS. *Hospital of the University of Pennsylvania, Philadelphia, PA, Children's Hospital of Philadelphia, Philadelphia, PA*

Presence of Preoperative Biliary Obstruction and Obesity Is Associated with Increased Morbidity and Mortality Following Pancreaticoduodenectomy

Dana A. Dominguez, MD, Sora Ely, MD, Michelle Huyser, MD, Rebecca C. Gologorsky, MD, George Kazantsev, MD, FACS, Amber L. Chang, Austin L. Spitzer, MD, FACS, Peter D. Peng, MD and CK Chang, MD, FACS. *University of California, San Francisco-East Bay, Oakland, CA, Kaiser Permanente Northern California-Oakland, Oakland, CA*

Routine Gastric Decompression after Pancreatoduodenectomy: Treating the Surgeon?

Katelyn Flick, MD, Mazhar Soufi, MD, Rachel Simpson, MD, Cameron Colgate, Michael G. House, MD, FACS, Nicholas J. Zyromski, MD, FACS, Eugene CEPPA, MD, FACS, Attila Nakeeb, MD, FACS and C. Max C. Schmidt, MD, PhD, MBA, FACS. *Indiana University, Indianapolis, IN*

Surgical Management of Ciliated Hepatic Foregut Cyst

Ioannis A. Ziogas, Dirk J. van der Windt, MD, PhD, Gregory C. Wilson, MD, Alessandro Furlan, MD, Michael A. Nalesnik, MD, Samer T. Tohme, MD and David A. Geller, MD, FACS. *Aristotle University of Thessaloniki, Thessaloniki, Greece, University of Pittsburgh Medical Center, Pittsburgh, PA*

Extracellular Matrix (ECM) in Fibrotic Livers Inhibits Hepatocyte Specific Function

Yuya Miyauchi, MD, PhD, Satoshi Ogiso, MD, PhD, FACS, Hidenobu Kojima, MD, PhD and Shinji Uemoto, MD, PhD. *Kyoto University, Kyoto, Japan*

Effectiveness of Anatomical Resection for Small Hepatocellular Carcinoma: A Propensity Score-Matching Analysis of A Multi-Institutional Database

Koichiro Haruki, MD, PhD, Yuki Fujiwara, MD, PhD, Hiroaki Shiba, MD, PhD, FACS, Yoshihiro Shirai, MD, PhD, Kenei Furukawa, MD, PhD, Teruyuki Usuba, MD, PhD, Yukio Nakabayashi, MD, PhD, Takeyuki Misawa, MD, PhD, FACS, Tomoyoshi Okamoto, MD, PhD, FACS and Katsuhiko Yanaga, MD, PhD, FACS. *Jikei University, Tokyo, Japan, Jikei University Katsushika Medical Center, Tokyo, Japan, Kawaguchi Municipal Medical Center, Saitama, Japan, The Jikei University Kashiwa Hospital, Chiba, Japan, Jikei University Daisan Hospital, Tokyo, Japan*

300 Cases of Single-Port Laparoscopic Cholecystectomy: Technical Aspects and Results

Murillo de Lima Favaro, MD, FACS, Silvio Gabor, MD and Marcelo A. F. Ribeiro, Jr., MD, FACS. *University Santo Amaro, Sao Paulo, Brazil, University Santo Amaro, São Paulo, Brazil*

Comparison of Postoperative Outcomes in IPMN Based on Invasiveness, Duct Size and Extent of Surgery: An Analysis of 2813 Patients from the ACS NSQIP® Database

Sami Shoucair, MD, David Blitzler, MD and Jin He, MD, FACS. *Medstar Health, Baltimore, MD, Medstar Health, Timonium, MD, Johns Hopkins Hospital, Baltimore, MD*

Expression of DR5 Protein and mRNA in Pancreatic Cancer and Its Clinic Significance

Jiong Chen, MD. *Anhui Provincial Hospital, Hefei, Anhui Province, China*

OLR1 Promotes Invasion and Metastasis of Pancreatic Cancer by Regulating the Expression of HMGA2 through c-myc

Gang Yang, MD, Fangyu Zhao, MD, Jiangdong Qiu, MD, Liu Yueze, MD, Zhang Taiping, MD, FACS and Yupei Zhao, MD, FACS. *Peking Union Medical College Hospital, Beijing, China*

Size of the Largest Colorectal Cancer-Liver Metastasis Impacts Recurrence and Survival

Weizheng Ren, MD, Naomi Sell, MD, Kenneth K. Tanabe, MD, FACS, Keith D. Lillemoe, MD, FACS, Cristina R. Ferrone, MD, FACS and Motaz Qadan, MD, PhD, FACS. *Massachusetts General Hospital, Boston, MA, Harvard Medical School, Boston, MA, PLA General Hospital, Beijing, China*

Station 4

Urological Surgery, Neurological Surgery, Obstetrics and Gynecology, Ophthalmic Surgery, Orthopaedic Surgery, and Otolaryngology

MODERATOR:

Quoc-Dien Trinh, MD, FACS, *Chestnut Hill, MA*

Testis Cryopreservation for Future Autotransplant: Comparison of Freezing Methods

Stuart S. Howards, MD, FACS, Oludamilola Ademoyero, MSc, Elizabeth D. Greene, LATG, Zhen Chen, Anthony Atala, MD, FACS, Kelvin Brockbank, PhD and Hooman Sadri-Ardekani, MD, PhD. *University of Virginia and Wake Forest Medical School, Charlottesville, VA, Wake Forest University, Winston-Salem, NC, Wake Forest Institute for Regenerative Medicine (WFIRM), Winston-Salem, NC, Tissue Testing Technologies LLC, North Charleston, SC, Tissue Testing Technologies LLC, Clemson, SC*

Safe Transition to Opioid-Free Pathway in Patients Undergoing Robotic-Assisted Laparoscopic Prostatectomy: A Retrospective Analysis of a U.S. Veterans Affairs Medical Center Patient Cohort

Laura A. Horodyski, MD, Brittany E. Ball, PharmD, Isildinha M. Reis, PhD, Feng Miao, MS, Mara Z. Carrasquillo, PharmD, Lunan Ji, MD, Joshua J. Livingstone, MD, Christina M. Mata-dial, MD, Chad R. Ritch, MD, MBA and Leslie A. Deane, MBBS, FRCSC, FACS. *University of Miami, Miami, FL, Miami Veteran's Affairs Medical Center, Miami, FL*

A Novel Magnetic Compressing Technique for Severe Stenosis in Beagle Dogs: A Preliminary Experiment Study

Bo Deng, MD, Dan Ye, MD, Yi Lv, MD and Xiaopeng Yan, PhD. *Zonglian College, Xi'an Jiaotong University, Xi'an, China, Qide College, Xi'an Jiaotong University, Xi'an, Christmas Island, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China, First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China*

Outcomes in Patients Undergoing Cyto-reductive Nephrectomy

Danica May, MD, Hayden M. Hill, MD, Kathleen Lata Arias, MPH and Daniel J. Canter, MD, FACS. *Ochsner Clinic, Jefferson, LA*

Microscopic-Assisted Uninstrumented Surgical Tumor Decompression (MUST-D) Is a Viable Alternative to Open Surgery for Some Patients with Symptomatic Metastatic Epidural Spinal Cord Compression (MESCC)

Dominic A. Nistal, Daniel Wei, Michael Martini, Charlotte Hawks, MS, Stanislaw Sobotka, DSc, PhD and Arthur L. Jenkins, III, MD, FACS. *Mount Sinai, New York, NY, Jenkins NeuroSpine, New York, NY*

Defining the Gender Billing Gap: Gender Characteristics of Billing Physicians among the Most Commonly Billed Medicare Procedures in Obstetrics and Gynecology

Sara Paulson, Jack Haglin and Rhonda Schafer-McLean, MD. *University of North Dakota, Grand Forks, ND, Mayo Clinic, Scottsdale, AZ*

Impact of Past Surgical History on Perioperative Outcomes in Gynecologic Surgery

Diego J. Aviles, MD, Lori Cory, MD, Nathanael Koelper, MPH, Mary D. Sammel, ScD, Mark A. Morgan, MD, FACS and Emily Ko, MD, FACS. *University of Pennsylvania Health System, Philadelphia, PA, University of Pennsylvania, Philadelphia, PA*

Vitreous Syneresis after Intravitreal Injection of Ranibizumab in Treatment of Retinopathy of Prematurity

Imren Akkoyun, MD, Mustafa Karadas, MD, Gursel Yilmaz, MD, FACS, A. Ulas Tugcu, MD and Zeynep Kayhan, MD. *Baskent University, Ankara, Turkey*

Local Excision with Cryotherapy vs. without Cryotherapy for Conjunctival Squamous Cell Carcinoma

Asad Loya, Talha Ayaz and Mohammed Abdullah. *Baylor College of Medicine, Houston, TX, University of Texas Medical Branch, Galveston, TX*

Local Excision with Cryotherapy vs. without Cryotherapy for Conjunctival Melanoma

Asad Loya, Talha Ayaz and Mohammed Abdullah. *Baylor College of Medicine, Houston, TX, University of Texas Medical Branch, Galveston, TX*

Evaluating the 5-Factor Modified Frailty Index (mFI-5) for Associations with 30-Day Postoperative Adverse Outcomes Following Surgical Fixation of Distal Humerus Fractures in the Elderly

Neil V. Shah, MD, MS, Olachi Oleru, Marine Coste, Pelin Celiker, Scott C. Pascal, MD, Karan Dua, MD, Gregory S. Penny, MD, Jeffrey M. Schwartz, MD, FACS, Charles Ekstein, MD and Steven M. Koehler, MD. *State University of New York (SUNY), Downstate Medical Center, Brooklyn, NY, Kings County Hospital Center, Brooklyn, NY*

Is Cervical Spinal Fusion Safe Following Irreversible Bariatric Surgery? Evaluating 90-Day and Two-Year Postoperative Complications and Outcomes

Neil V. Shah, MD, MS, Cameron R. Moattari, Marine Coste, Pelin Celiker, Hanbin Wang, Jr., John C. Hordines, Peter G. Passias, MD, Jeffrey M. Schwartz, MD, FACS, Carl B. Paulino, MD and Bassel G. Diebo, MD. *State University of New York (SUNY), Downstate Medical Center, Brooklyn, NY, NYU Langone Orthopedic Hospital, New York, NY, Kings County Hospital Center, Brooklyn, NY*

Utilizing Fast Dissolving Porogens for Accelerated Bone Regeneration

Brandon T. Smith, Eline-Claire Grosfeld, PhD, Emma Watson, Sean M. Bittner, Jeroen van den Beucken, PhD, John A. Jansen, DDS, PhD, Anthony J. Melchiorri, PhD, Mark E. Wong, DDS, FACS, FACS and Antonios G. Mikos, PhD. *Rice University, Baylor College of Medicine, Houston, TX, Radboud University Medical Center, Nijmegen, Netherlands, Houston, TX, Rice University, Houston, TX, The University of Texas Health Science Center, Houston, TX*

The ACS National Surgical Quality Improvement Program (NSQIP®) Surgical Risk Calculator in Otolaryngology

Christian Pingree, MD and Alex McKinlay, MD, FACS. *San Antonio Military Medical Center, San Antonio, TX*

Hemostatic Revelation in Juvenile Nasopharyngeal Angiofibroma: A Constitutional Anticoagulant Nature

Anupam Mishra, MBBS, FACS, Onkar V. Vedak, MBBS and Rashmi Kushwaha, MD. *King George Medical University, Lucknow, India*

Station 5

General Surgery

MODERATORS:

Dan E. Azagury, MD, *Stanford, CA*

Hobart W. Harris, MD, MPH, FACS, *San Francisco, CA*

A Study of Risk Factors for Lower Extremity Amputations in Diabetic Foot Ulcer

Farhanul Huda, Dr, MBBS, FACS and Shreya Malhan. *All India Institute of Medical Sciences, Rishikesh, India*

Revisiting Appendectomies: Lower Threshold for Conversion of Laparoscopic to Open

Mayin Lin, DO, MPH, John C. Hsieh, MPH and Steven Chao, MD, FACS. *New York Presbyterian Queens, Flushing, NY, Iowa State University, Ames, IA*

The Multiple Risks of Rapid Source Control Laparotomy or Open Abdomen for Acute Diverticulitis

Arthur Berg, DO, Matthew Rosenzweig, DO, Kuo Yen-Hong, PhD, Ayolola Onayemi, Mph, MD, Shawla Mohidul, MD, Micaela Moen, MD, Jason D. Sciarretta, MD, FACS, John M. Davis, MD, FACS and Nasim Ahmed, MBBS, FACS. *Hackensack Meridian Health-Palisades Medical Center, North Bergen, NJ, Hackensack Meridian Health-Jersey Shore Medical Center, Neptune, NJ, Grand Strand Medical Center, Myrtle Beach, SC*

A Fast Track Pathway for Acute Care Surgery at an Academic Medical Center

Amanda Fazzalari, MD, Shruthi Srinivas, Natalie Pozzi, MD, Reeti Sheoran, MSN, Joseph Sabato, MD, Dawn Durocher, Martin Reznick, MD, MBA, Francesco Aiello, MD, FACS, Demetrius Litwin, MD, MBA, FACS and Mitchell A. Cahan, MD, MBA, FACS. *University of Massachusetts, Worcester, MA, St. Mary's Hospital, Waterbury, CT*

Opioid-Prescribing Practices of Junior Level Residents-What Are the Trends and Are They Contributing to Our National Opioid Crisis?

Wayne Tse, MD, Ryan Johnson, Michael F. Amendola, MD, FACS and Jeannie F. Savas, MD, FACS. *Hunter Holmes McGuire VA Medical Center, Richmond, VA, Virginia Commonwealth University Health System, Richmond, VA, Virginia Commonwealth University, Richmond, VA*

Prevalence and Associated Factors of Burnout among General Surgery Residents in the Philippines

Kristine Kamille P. Nieto-Lorenzo, MD and Rex A. Madrigal, MD, FPCS, FPSGS. *Bicol Medical Center, Naga City, Philippines*

Intraperitoneal Chemotherapy: Limits of Drug Transport Capacity Based on Different Applicational Modalities

Tanja Khosrawipour, MD, PhD, Alessio Pigazzi, MD, PhD, FACS, Justyna Schubert, PhD and Veria Khosrawipour, MD, PhD. *University of California, Irvine, Orange, CA, Wroclaw University of Environmental and Life Sciences, Wroclaw, Poland, Ortho-Klinik Dortmund, Dortmund, Germany*

Acute Appendicitis and Pregnancy: Difficult Diagnosis and Specific Features of Care

Ali Bendjaballah, MD, FACS. *Ain Taya Hospital, Algiers, Algeria*

The Effect of Left Lateral Decubitus Positioning on Urine Output in Postoperative Patients

Harsh A. Desai, MS, Stephen Markowiak, MD, Andrew Casabianca, MD, DDS, Francis C. Brunicardi, MD, FACS, David Allison, MD, PhD, FACS, Samay Jain, MD and Jianlin Tang, MD, FACS. *University of Toledo, Toledo, OH*

Opioid Prescribing in General Surgical Procedures

Jay P. Desai, MBBS and Fady Moustarah, MD, MPH. *Central Michigan University, Saginaw, MI*

Seven-Year Experience with Laparoscopic-Pedicled Omental Flap for Cerebral Revascularization in Patients with Moyamoya Disease

Lauren S. Y. Wood, MD, Ruth E. Jones, MD, Julia M. Chandler, MD, MS, Jordan Taylor, MD, Sanjeev Dutta, MD, MBA, FACS, Gary Steinberg, MD, PhD and Matias Bruzoni, MD, FACS. *Stanford University, Stanford, CA, Stanford University, Menlo Park, CA, Johnson & Johnson, Menlo Park, CA*

Long-term Results of Crescentic Incision for Donor Nephrectomy

Mehmet A. Haberal, MD, FACS(Hon), Mahir Kirnap, MD, Aydincan Akdur, MD, Ebru H. Ayvazoglu Soy, MD, Sedat Yildirim, MD, FACS, Gokhan Moray, MD, FACS, Zeynep Kayhan, MD and Adnan Torgay, MD. *Baskent University, Ankara, Turkey*

SCORE Usage Predicts Remediation Needs after American Board of Surgery In-Training Examination (ABSITE) in Surgery Residents

Sam Tarras, MD, FACS and David A. Edelman, MD, FACS. *Wayne State University, Detroit, MI*

Impact of Intravenous Injection of Glucagon on Anastomotic Leakage in Esophagectomy

Hiroyuki Kobayashi, MD, PhD. *Kobe City Medical Center General Hospital, Kobe City, Japan*

The Association of Preoperative Delirium with Postoperative Outcomes Following Hip Surgery in the Elderly

Shubham Agrawal, Robby Turk, Brittany Burton, MAS and Rodney Gabriel, MD, MAS. *University of California San Diego, La Jolla, CA*

Station 6

Trauma and Critical Care

MODERATORS:

Patricia R. Ayoung-Chee, MD, MPH, FACS, *New York, NY*
Krista L. Kaups, MD, FACS, *Fresno, CA*

ACS-Verified Trauma Hospitals Outperform Non-Verified Hospitals on Incentive-Driven Reduction of CAUTI

Alexis R. Harvey, MSPH, Brian T. Young, MD, Joseph F. Golob, MD, FACS, Samuel J. Zolin, MD, Jeffrey A. Claridge, MD, FACS and Vanessa P. Ho, MD, FACS. *Case Western Reserve University, Cleveland, OH, MetroHealth Medical Center, Cleveland, OH, Cleveland Clinic Foundation, Cleveland, OH*

Advanced Age Is Not an Independent Risk Factor for In Hospital Mortality in Patients with Necrotizing Soft-Tissue Infections (NSTI)

Mahsa Shariat, MD, Sameer Hirji, MD, Manuel Castillo-Angeles, MD, MPH, Barbara U. Okafor, MBA, Deepika Nehra, MD and Reza Askari, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Prediction of In-Hospital Outcomes Following Traumatic Brain Injury Using Artificial Neural Network Algorithms

Troy A. Davis, David J. Samson, MS, Mario A. Inchiosa, PhD and Kartik Prabhakaran, MD, FACS. *New York Medical College, Valhalla, NY, Westchester Medical Center, Valhalla, NY, New York Medical College, New York, NY*

Violence Interrupters: Evaluation of Engagement and Patient Satisfaction

Brian T. Young, MD, Andrea Martemus-Peters, MSSA, LSW, Joshua George, MPH, Kristen Conrad-Schnetz, DO, Danielle Rossler, MBA and Jeffrey A. Claridge, MD, MS, FACS. *MetroHealth Medical Center, Cleveland, OH*

Reliable Identification of Rib Fracture Patients at Risk of Pulmonary Complication for Only Ten Bucks

Adam C. Nelson, MD, Preston R. Miller, III, MD, FACS, C. Caleb Butts, MD, Jason Hoth, MD, FACS, Andrew M. Nunn, MD, FACS, Meagan Rosenberg, Orhan Yanmis, MS, Julia Ruffo and Martin Avery, MD. *Wake Forest Baptist Health, Winston-Salem, NC*

Downstream Effects of a Geriatric Trauma Activation and Trauma Admission Protocol

Christopher Decker, MD, Emily Esposito, DO, Luke Duncan, MD, Steven Stain, MD, FACS and Carl Rosati, MD, FACS. *Albany Medical Center, Albany, NY*

Cost-Effectiveness Analysis of Routine Repeat Computed Tomography (CT) Head Scan in Patients on Novel Anticoagulation after Trauma

Caitlin Cohan, MD, Genna Beattie, MD, Elizabeth L. George, MD, Kara Rothenberg, MD, Dana A. Dominguez, MD and Gregory P. Victorino, MD, FACS. *University of California, San Francisco-East Bay, Oakland, CA, Stanford University, Stanford, CA*

Fiscal Implications of Trauma Recidivism in Children

Adil A. Shah, MD, Anthony D. Sandler, MD, FACS, Timothy D. Kane, MD, FACS and Mikael Petrosyan, MD, FACS. *Howard University Hospital and College of Medicine, Washington, DC, Children's National Medical Center, Washington, DC*

A Standardized Massive Transfusion Protocol Decreases Blood Product Wastage and Improves Transfusion Ratios: Results from a Rural, Level II Trauma Center

Lin M. Riccio, MD and Rodolfo J. Oviedo, MD, FACS, FASMBS. *Acute Care Emergency Surgery Services (ACCESS) at Winchester Medical Center, Winchester, VA, Valley Health Metabolic & Bariatric Program, Winchester, VA*

Early vs. Late Tracheostomy in a Trauma Population: Is There an Outcome Difference?

Adel Elkbulli, MD, MPH, Dessislava Boneva, MD, FACS, Shaikh A. Hai, MBBS, FACS and Mark G. McKenney, MD, MBA, FACS. *Kendall Medical Regional Center, Miami, FL*

In-Hospital Outcomes after Operative Fixation of Multiple Rib Fractures with Non-Flail Chest: A Propensity-Matched Analysis

Asad Azim, MD, Muhammad N. Khan, MD, Faisal S. Jehan, MD and Jorge Con, MD, FACS. *Westchester Medical Center, New York Medical College, Valhalla, NY, Westchester Medical Center, New York Medical College, Valhalla, United States Minor Outlying Islands*

Novel Bio-Clinical Scoring for Prediction of Massive Blood Transfusion and Intervention in Patients with Abdominal Trauma (FASILA Score)

Ayman El-Menyar, MD, Hassan Al-Thani, MD and Sandro Rizoli, MD. *Hamad General Hospital, Doha, Qatar, HMC, Doha, Qatar*

Who Needs to Be in the Intensive Care Unit? Potential Cost Savings with an Improved Triage Algorithm for Rib Fractures

Stefan W. Leichtle, MD, FACS, Beth Torres, PhD, RN, CCRN, Sarah Wang, MPH, Edgar B. Rodas, MD, FACS, Sudha P. Jayaraman, MD, FACS, Paula Ferrada, MD, FACS and Michel B. Aboutanos, MD, MPH, FACS. *Virginia Commonwealth University, Richmond, VA*

Massive Transfusion Is an Independent Predictor of Infectious Complications in Critically Ill Trauma Patients

Andrew Loudon, MD, Nirav Patil, MBBS, MPH, John H. Adamski II, MD, FACS, Gregory Applegate, MD, Glen Tinkoff, MD, FACS, Matthew L. Moorman, MD, FACS, Nathaniel McQuay, MD and Duraid Younan, MBChB, FACS. *University Hospitals, Cleveland, OH*

Does CT Scan Add Any Diagnostic Value to the Evaluation of Stab Wounds of the Anterior Abdominal Wall? A Meta-Analysis

Mahir Gachabayov, MD, Shekhar Gogna, MBBS, David J. Samson, MS and Rifat Latifi, MD, FACS. *Westchester Medical Center, Valhalla, NY, Westchester Medical Center, Elmsford, NY, New York Medical College, Valhalla, NY*

VIDEO-BASED EDUCATION

Sponsored by the Committee on Video-Based Education, these sessions feature presentations by surgeons showcasing surgical procedures and current subjects across the spectrum of surgical practice. Each video has been submitted by the author(s) and has been reviewed and accepted by the Committee on Video-Based Education.

Icons in Surgery

The Committee on Video-Based Education will honor the lives and accomplishments of noteworthy Fellows during the following Icons in Surgery video sessions:

VE204 | Icons in Surgery I

Tuesday, October 29, 11:30 am–12:30 pm

LOCATION: MW 3020-3022

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

William B. Inabnet III, MD, FACS, *New York, NY*, William O. Richards, MD, FACS, *Mobile, AL*, and Steven D. Schweitzberg, MD, FACS, *Buffalo, NY*

Carlos A. Pellegrini, MD, FACS, FRCSI(Hon), FRCS(Hon), FRCSEd(Hon)

DISCUSSANT: Brant K. Oelschlager, MD, FACS, *Seattle, WA*

Thomas J. Fogarty, MD, FACS

DISCUSSANT: Thomas M. Krummel, MD, FACS, *Stanford, CA*

VE305 | Icons in Surgery II

Wednesday, October 30, 11:30 am–12:30 pm

LOCATION: MW 3020-3022

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

William B. Inabnet III, MD, FACS, *New York, NY*, William O. Richards, MD, FACS, *Mobile, AL*, and Steven D. Schweitzberg, MD, FACS, *Buffalo, NY*

Patricia K. Donahoe, MD, FACS

DISCUSSANT: Allan M. Goldstein, MD, FACS, *Boston, MA*

LaSalle D. Leffall, Jr., MD, FACS

*Dr. Leffall, a Past-President of the ACS, died May 25, 2019, of cancer.

DISCUSSANT: Edward E. Cornwell, MD, FACS, FCCM, FWACS, *Washington, DC*

Alphabetical Index to Sessions

Bariatric Surgery I	206
Bariatric Surgery II	210
Cardiothoracic Surgery	212
Challenging and Unusual Problems in Surgery	208
Colon and Rectal Surgery I	218
Colon and Rectal Surgery II	221
Endocrine Surgery	214
General Surgery I–Gastrointestinal Disease	206
General Surgery II–Hernia	211
General Surgery III–Foregut	216
General Surgery IV–Oncology	220
Hepatobiliary Surgery I	211
Hepatobiliary Surgery II	219
Icons in Surgery I	205
Icons in Surgery II	205
International Video Session	214
Neurological Surgery	209
Obstetrics and Gynecology	207
Otolaryngology–Head and Neck Surgery	213
Pancreas Surgery I	209
Pancreas Surgery II	221
Pediatric Surgery	216
Plastic Surgery	208
Subject-Oriented Symposium I–Challenging Hernias	207
Subject-Oriented Symposium II–New Surgical Technology	210
Subject-Oriented Symposium III–Revisional Foregut Surgery	213
Subject-Oriented Symposium IV–Revisional Bariatric	217
Surgical Cases in Trauma	219
Urological Surgery	213
Vascular Surgery	218
Video Highlights of Clinical Congress 2018	215

Monday, October 28

VE101 | 9:45-11:15 am

Bariatric Surgery I

LOCATION: MS 306-308

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Ankit D. Patel, MD, FACS, Decatur, GA, and Rami Lutfi, MD, FACS, Chicago, IL

Technique for Concomitant Laparoscopic Esophageal Epiphrenic Diverticulectomy, Heller Myotomy, Modified Dor Fundoplication, and Roux-en-Y Gastric Bypass

Roshin Thomas, DO, Jad Khoraki, MD, Bernardo M. Pessoa, MD, Guilherme M. Campos, MD, PhD, FACS, FASMBS. *Virginia Commonwealth University, Richmond, VA*

How Do We Treat to Incidental Proximal Jejunal Tumors during Laparoscopic Bypass Surgery?

Sabri A. Karataş, MD, Tefvik K. Uprak, MD, Tayfun Akmercan, MD, Ömer Günal, MD. *Marmara University Medical Faculty, Istanbul, Turkey*

Lessons from Laparoscopic Roux-en-Y Gastric Bypass Reversal: Internal Hernia and Volvulus Associated with an Unresected Roux Limb

Rodolfo J. Oviedo, MD, FACS, FASMBS. *Valley Health Metabolic & Bariatric Program, Winchester, VA*

Robotic Redo Bariatric Surgery: Botched Gastric Plication Requiring Subtotal Gastrectomy, Roux-en-Y Esophagojejunostomy (RYEJ) Reconstruction

Arielle M. Lee, MD, Rebeca V. Dominguez-Profeta, MD, Kai Neki, MD, Robert Cubas, MD, Ryan Broderick, MD, Joslin N. Cheverie, MD, Bryan J. Sandler, MD, FACS, Garth R. Jacobsen, MD, FACS, Santiago Horgan, MD, FACS. *University of California San Diego, La Jolla, CA*

Laparoscopic Repair of Incarcerated Petersen's Hernia after One Anastomosis (Mini) Gastric Bypass

Alan A. Saber, MBBCh, FACS, Arpit Patel, MD. *Newark Beth Israel Medical Center, Newark, NJ*

Laparoscopic Conversion of Migrated Gastric Sleeve to Roux-en-Y Gastric Bypass

Arpit Patel, MD, Alan A. Saber, MBBCh, FACS. *Hospital Newark Beth Israel, Newark, NJ*

Laparoscopic Repair of Petersen's Hernia during Pregnancy

Poppy Addison, MD, Dimitar Ranev, MD, Sarah Pearlstein, MD, Julio Teixeira, MD, FACS, Filippo Filicori, MD. *Lenox Hill Hospital, New York, NY*

Robotic-Assisted Roux-en-Y Gastric Bypass Reversal Due to Dumping Syndrome and Severe Malnutrition

Roberto E. Bustos, MD, Valentina Valle, MD, Gabriela M. Aguiluz, MD, Alberto Mangano, MD, Mario Masrur, MD, FACS. *University of Illinois at Chicago, Chicago, IL*

VE102 | 9:45 am-1:00 pm

General Surgery I-Gastrointestinal Disease

LOCATION: MW 3020-3022

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Daniel M. Herron, MD, FACS, FASMBS, New York, NY, and Alfons Pomp, MD, FACS, FRCSC, New York, NY

Fenestrating Cholecystectomy: Clinical Pearls for Safe Dissection and Avoidance of Common Bile Duct Injury

Todd J. Robinson, DO, Scott Helton, MD, FACS. *Virginia Mason Medical Center, Seattle, WA*

Laparoscopic Cholecystectomy with Accessory Gallbladder Removal

Usah Khrucharoen, MD, Thongsak Wongponsalee, MD, Yen-Yi Juo, MD, Andrew Scott, MD, Ronald W. Busuttill, MD, FACS, Erik P. Dutson, MD, FACS. *University of California Los Angeles, Los Angeles, CA*

Laparoscopic Common Bile Duct Exploration via Choledochotomy with Cholecystectomy

Lindsay Tse, DO, Lee M. Morris, MD, FACS, Patrick R. Reardon, MD, FACS, Majid Kianmajd, DO, *Houston Methodist Hospital, Houston, TX*

Hilar Injury during Cholecystectomy Salvaged with Liver Transplantation

Kiara A. Tulla, MD, Mario Spaggiari, MD, Samara Albazzaz, Pierpaolo Dicocco, MD, Obi Okoye, MD, Jorge Almario, MD, Ivo G. Tzvetanov, MD, FACS, Enrico Benedetti, MD, FACS. *University of Illinois at Chicago, Chicago, IL*

Interval Appendectomy in a Patient Treated Nonoperatively for Perforated Appendicitis

Katerina Dukleska, MD, Livingstone Dore, MD, Karen A. Chojnacki, MD, FACS, Francesco Palazzo, MD, FACS, Ernest L. Rosato, MD, FACS. *Thomas Jefferson University, Philadelphia, PA*

Laparoscopic Colon and Small Bowel Resection with Intracorporeal Anastomosis for Diverticular Abscess Complicated by Coloenteric Fistula

Allen Zhong, MD, Hongdau Liu, MD, Scott Nguyen, MD, FACS. *Icahn School of Medicine at Mount Sinai, New York, NY*

Laparoscopic Radical Hemicolectomy with Therapeutic Para-Aortic Lymph Nodes Dissection for Advanced Colon Cancer

Wei Wang, MD, FACS. *Guangdong Provincial Hospital of Chinese Medicine, Guangzhou, China*

Laparoscopic Duodenojejunostomy in a Patient with Superior Mesenteric Artery Syndrome

Thongsak Wongponsalee, MD, Usah Khrucharoen, MD, Joe L. Pantoja, MD, Andrew Scott, MD, Erik P. Dutson, MD, FACS. *University of California Los Angeles, Los Angeles, CA*

Laparoscopic Small Bowel Resection with Intracorporeal Anastomosis for Meckel's Diverticulitis

Jarrod Buzalewski, DO, Apurva Trivedi, DO, Jason Kuhn, DO, Joseph Bannon, MD, FACS, Ryan Horsley, DO. *Geisinger, Scranton, PA*

Laparoscopic Splenectomy for Massive Splenomegaly with Isolated Splenic Metastatic Melanoma

Usah Khrucharen, MD, Yen-Yi Juo, MD, Thongsak Wong-pongsalee, MD, Andrew Scott, MD, Erik P. Dutson, MD, FACS. *University of California Los Angeles, Los Angeles, CA*

Laparoscopic Transcystic Laser Lithotripsy for Common Bile Duct Lithiasis in a Patient with Previous B-II Gastrectomy

Carmen L. Maillio-Oliva, MD, PhD, FACS, Raquel C. Abreu, MD, António M. Pereira, MD, Genoveva Piçarra, MD, Paulo Corceiro, MD, Sofia M. Santos, MD, Maria E. Comenda, MD. *Hospital Lusíadas Lisboa, Lisbon, Portugal*

Optimizing Indocyanine Green Dosing to Improve Operative Performance in Laparoscopic Liver Surgery

Michael T. LeCompte, MD, Chet Hammill, MD, FACS. *Washington University in St. Louis, St. Louis, MO*

Laparoscopic Inframesocolic Approach for Pathologies in the Third and Fourth Part of the Duodenum

Osama H. M. Hamed, MD, FACS, Eihab Shihadeh, MD, FACS, Omar Al Khatib, MD. *Khalidi Medical Center, Amman, Jordan*

Robot-Assisted Transhiatal Enucleation of an Esophageal Leiomyoma with Heller Myotomy and Dor Fundoplication

Gabriela M. Aguiluz, MD, Roberto E. Bustos, MD, Valentina Valle, MD, Pier C. Giulianotti, MD, FACS. *University of Illinois at Chicago, Chicago, IL*

Three Trocars Laparoscopic Whipple's Procedure with Completely Intracorporeal Handsewn Anastomoses

Giovanni Dapri, MD, PhD, FACS, Nigel A. Bascombe, MD, FACS, Marco Montorsi, MD. *European School of Laparoscopic Surgery, Saint-Pierre University Hospital, Brussels, Belgium*

VE103 | 11:30 am-1:00 pm Obstetrics and Gynecology

LOCATION: MS 152

TRACK(S): OBG

COORDINATOR AND PRESIDING OFFICER(S):

Ceana H. Nezhat, MD, FACS, *Atlanta, GA*, and Radu Apostol, DO, FACS, *Roslyn, NY*

Living Donor Uterus Transplant Experience

Liza Johannesson, MD, PhD, Anji Wall, MD, PhD. *Baylor University Medical Center, Dallas, TX*

Endometriosis Bowel and Ureter Ovarian Remnant Causing Hydroureter

Shirin T. Zadeh, MD, Camran R. Nezhat, MD, FACS, FACOG, Kavya S. Chavali, MD, Nataliya Vang, MD, Mahkam Tavalae, MD. *Camran Nezhat Institute, Palo Alto, CA*

Laparoscopic Resection of a Cervical Diverticulum

William Vintzileos, MD, Vanessa Martinelli, MD, Michael Mesbah, MD, FACS, Farr R. Nezhat, MD, FACS. *NYU Winthrop Hospital, Mineola, NY*

A Case of Diaphragmatic and Pleural Endometriosis

Vanessa Martinelli, MD, Michael Mesbah, MD, Farr R. Nezhat, MD, FACS. *NYU Winthrop Hospital, Mineola, NY*

Robotic-Assisted Laparoscopic Resection of Bladder and Ureteral Endometriosis

Vanessa Martinelli, MD, William Vintzileos, MD, Michael Mesbah, MD, Farr R. Nezhat, MD, FACS. *NYU Winthrop Hospital, Mineola, NY*

Total Laparoscopic Hysterectomy in a High-Risk Patient with Extensive Endometriosis

Shirin T. Zadeh, MD, Camran R. Nezhat, MD, FACS, FACOG, Kavya S. Chavali, MD, Azadeh Nezhat, MD, FACS, FACOG. *Camran Nezhat Institute, Palo Alto, CA*

Kissing Ovaries Bilateral Endometriomas

Shirin T. Zadeh, MD, Kavya S. Chavali, MD, Camran R. Nezhat, MD, FACS, FACOG. *Camran Nezhat Institute, Palo Alto, CA*

Graft-Augmented Vaginoplasty in Two Pediatric Cases

Akira W. Gillingham, MD, Margaret G. Mueller, MD, FACS, Marleta Reynolds, MD, FACS, Julia Geynisman-Tan, MD, Oluwateniola Brown, MD, Christina Lewicky-Gaup, MD, Sarah A. Collins, MD, Kimberly Kenton, MD, MS, FACS, FACOG. *Northwestern University, Chicago, IL*

Laparoscopic Vecchietti Procedure: Minimally Invasive Treatment for Vaginal Agenesis

Akira W. Gillingham, MD, Kimberly Kenton, MD, MS, FACS, FACOG, Julia Geynisman-Tan, MD, Oluwateniola Brown, MD, Sarah A. Collins, MD, Christina Lewicky-Gaup, MD, Margaret G. Mueller, MD, FACS. *Northwestern University, Chicago, IL*

Robotic Cytoreductive Surgery for Ovarian Tumor-Total Hysterectomy, Bilateral Pelvic Lymphadenectomy, and Infra-Colic Omentectomy Using da Vinci Xi Surgical System

Jeewan R. Vishnoi, MBBS, MS, MCh, MAMS, Sanjeev Misra, MS, MCh, FRCS, FICS, FACS, FAMS, FNASc, Ajai Sasidhar, MS, Sushil Kumar, MS, DNB, Ankit Jain, MS. *All India Institute of Medical Sciences, Jodhpur, Jodhpur, India*

VE104 | 11:30 am-1:00 pm Subject-Oriented Symposium I-Challenging Hernias

LOCATION: MS 306-308

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

William O. Richards, MD, FACS, *Mobile, AL*, and W. Scott Melvin, MD, FACS, *Bronx, NY*

Laparoscopic Reduction and Repair of a Foramen of Winslow Internal Hernia

Ivy N. Haskins, MD, Richard Thompson, MD, Timothy M. Farrell, MD, FACS. *University of North Carolina, Chapel Hill, NC*

Laparoscopic Repair of Giant Bochdalek Hernia and Pulmonary Wedge Resection

James Nguyen, MD, Ali Mahtabifard, MD, Marcelo W. Hinojosa, MD, FACS. *University of California, Irvine Medical Center, Orange, CA*

Massive Panniculectomy with Open Ventral Hernia Repair and Preperitoneal Mesh Placement

Otto N. Thielen, Kathryn A. Schlosser, MD, Sean R. Maloney, MD, Brant T. Heniford, MD, FACS, Vedra A. Augenstein, MD, FACS. *Atrium Health System, Charlotte, NC*

Robot-Assisted Bilateral Pararectal Hernia Repair with Mesh

Osvaldo Zumba, MD, David Palange, DO, Nicholas Spagnuolo, RT, CT, George Mazpule, MD, Stephen G. Pereira, MD, FACS, Adam S. Rosenstock, MD, FACS. *Hackensack University Medical Center, Hackensack, NJ*

Excision of Abdominal Wall Desmoid Tumour

Ifongo Bombil, MD, MMED (Wits), FCS (SA), FACS. *Chris Hani Baragwanath Academic Hospital, Johannesburg, South Africa*

Lumbar Hernia Repair and Hemipelvis Reconstruction in a Patient with an Incomplete Pelvic Ring

Aldo Fafaj, MD, Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Clayton Petro, MD, David M. Krpata, MD, Steven Rosenblatt, MD, FACS, Michael J. Rosen, MD, FACS, Nathan Mesko, MD, Ajita S. Prabhu, MD, FACS. *Cleveland Clinic Foundation, Cleveland, OH*

Modified Pauli Abdominal Wall Reconstruction for a Recurrent Parastomal Hernia after a Sugarbaker Repair

Miguel A. Garcia Urena, MD, PhD, FACS, Carlos San Miguel, MD, PhD, Alvaro Robin, MD, PhD, Arturo Cruz, MD, PhD, Patricia Lopez, MD, Javier Lopez-Monclús, MD, FACS, Ana Minaya, MD, Esteban Garcia, MD. *Hospital Universitario del Henares, Madrid, Spain*

**VE105 | 2:30-4:00 pm
Plastic Surgery**

LOCATION: MS 151

TRACK(S): PLA

COORDINATOR AND PRESIDING OFFICER(S):
Patrick B. Garvey, MD, FACS, *Houston, TX*

Anterolateral Thigh Flap (ALT) for Reconstruction of Oropharyngectomy Defect

Elizabeth Malphrus, Catherine M. Hannan, MD, Jessica H. Maxwell, MD, FACS, Jarvis Walters, DO, Fredrick J. Brody, MD, FACS, Lauren Patrick, MD, FACS. *Veteran Affairs Hospital, Washington, DC*

Neurotized Deep Inferior Epigastric Artery Perforator (DIEP) Free Flap Breast Reconstruction

Phu C. Tran, MD, Jamaica Westfall-Snyder, Aladdin H. Hassanein, MD, MMsc. *Indiana University, Indianapolis, IN*

Panniculectomy with Ventral Hernia Repair in a Post-Bariatric Massive Weight Loss Patient

Taha Mallick, MD, Zaheer Faizi, MD, Philip Lotfi, MD, Raja Sabbagh, MD, MPH, FACS, FASCRS, Ryan Engdahl, MD. *Harlem Hospital Center, New York, NY*

Virtual Surgical Planning and Three-Dimensional Printing for Fibula Osteocutaneous Flap to Reconstruct a Mandibulectomy Defect

Patrick Garvey, MD, FACS. *MD Anderson Cancer Center, Houston, TX*

Free Medial Sural Artery Perforator Flap for Reconstruction of the Foot

John Shuck, MD. *Methodist Hospital, Houston, TX*

Laparoscopic Omental Harvest of Lymph Nodes for Extremity Lymphedema

Carrie Chu, MD, FACS. *MD Anderson Cancer Center, Houston, TX*

Pearls and Pitfalls of Profunda Artery Perforator (PAP) Flap for Breast Reconstruction

Rene Largo, MD. *MD Anderson Cancer Center, Houston, TX*

Latissimus Flap Reconstruction of a Scalp Defect

Patrick B. Garvey, MD, FACS. *MD Anderson Cancer Center, Houston, TX*

VE106 | 2:30-5:45 pm

Challenging and Unusual Problems in Surgery

LOCATION: MW 3020-3022

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Patrick R. Reardon, MD, FACS, *Houston, TX*, and Gustavo G. Fernandez-Ranvier, MD, PhD, FACS, *Long Island City, NY*

Laparoscopic Repair of Posterior Gastric Perforation from Maloney Dilator

Federico Serrot, MD, Jamil L. Stetler, MD, FACS, Dipan C. Patel, MD, FACS, Ankit D. Patel, MD, FACS, S. Scott Davis, Jr., MD, FACS, Edward Lin, DO, FACS. *Emory University, Atlanta, GA*

Mesenteric Pseudocyst of the Large Bowel: An Unusual Cause of Acute Abdomen

Ahmad G. Abutaka, MBBS, Rashad F. Alfkey, MBBS, FACS, Shameel Musthafa, MBBS, Saif Al-Mudares, MD. *Hamad Medical Corporation, Doha, Qatar*

Bladder Injury and Repair during Laparoscopic Inguinal Hernia Surgery

Andres Narvaez Cordova, MD, L. Kasey Welsh, MD, Ramon Diaz Jara, MD, Gerardo Davalos, MD, A. Daniel Guerrero, MD, Jin Yoo, MD, FACS. *Duke University, Durham, NC*

Dropped Gallstones after Laparoscopic Cholecystectomy Leading to Intradiaphragmatic Abscess and Empyema: A Laparoscopic Approach to Gallstone Retrieval and Abscess Drainage

Shawn Liechty, MD, Biren Juthani, DO, Timothy Lehmann, MD, Jeraldine S. Orlina, MD, FACS, Daniel E. Kleiner, MD, FACS. *Danbury Hospital, Danbury, CT*

Partial Cholecystectomy after Percutaneous Drainage of Liver Abscess Due to Acute Cholecystitis

Roberto Rasslan, MD, FACS, Marcia H. Yamazumi, MD, Alberto Bitran, MD, FACS, Jones P. Santos, Jr., MD, Sergio H. Damous, MD, FACS, Jeammy A. P. Perez, MD, Edivaldo M. Utiyama, MD, FACS. *Universidade de São Paulo, São Paulo, Brazil*

Treatment of Iatrogenic Lesion of the Common Duct with Section of the Right Hepatic Artery

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

Atypical Presentations in Endoscopic Surgery

Ajay H. Bhandarwar, MBBS, MS, Ameya S. Tibude, MBBS, MS, Amol N. Wagh, MBBS, MS, Chintan B. Patel, MBBS, MS, Amarjeet E. Tandur, MBBS, MS. *Grant Government Medical College & Sir JJ Group of Hospitals, Mumbai, India*

Giant Esophageal Epiphrenic Diverticulum Treated by Robotic Surgery

Tharathorn Suwatthanarak, MD, FRCST, Jirawat Swangsri, MD, PhD, FRCST. *Faculty of Medicine Siriraj Hospital, Bangkok, Thailand*

Laparoscopic Extraction of Retained Barbecue Grill Brush Wire

Andrew W. McGregor, MD, Shawn Liechty, MD, Daniel Kleiner, MD, FACS. *Danbury Hospital, Danbury, CT*

Resection of Large Trichobezoar via Minimally Invasive Approach

Natalia Paez Arango, MD, Elizabeth Bruenderman, MD, Farid J. Kehdy, MD, FACS. *University of Louisville, Louisville, KY*

Laparoscopic Resection of the Splenic Artery for the Treatment of 4 Splenic Artery Aneurysms

Patrick R. Reardon, MD, FACS, Lee M. Morris, MD, FACS, Lindsay Tse, DO, Majid Kianmajd, DO. *Houston Methodist Hospital, Houston, TX*

Laparoscopic Diaphragmatic Hernia Repair: A Unique Case of Erosion Due to Splenic Necrosis

Daanish Kazi, DO, Mujjahid Abbas, MD. *University Hospitals Cleveland Medical Center, Cleveland, OH*

Laparoscopic Splenectomy for a Splenic Abscess from Septic Emboli

Peter H. Liu, MD, PhD, Allen Zhong, MD, Scott Nguyen, MD, FACS. *Mount Sinai Hospital, New York, NY*

Robotic Splenectomy with Aneurysmectomy for Splenic Tumor with Large Splenic Arterial Aneurysm

Thikhamporn Tawantanakorn, MD, FRCST, Voraboot Taweerutchana, MD, FRCST. *Siriraj Hospital, Bangkok, Thailand*

VE107 | 4:15-5:45 pm Neurological Surgery

LOCATION: MS 151

TRACK(S): NEU

COORDINATOR AND PRESIDING OFFICER(S):

John F. Hamilton, MD, FACS, *Falls Church, VA*

Endoscopic Endonasal Resection of a Giant Pituitary Adenoma

Daniel A. Donoho, MD, Edward R. Laws, MD, FACS. *Brigham and Women's Hospital, Boston, MA*

Pituitary Gland Preservation during Endoscopic Transsphenoidal Surgery

Daniel A. Donoho, MD, Edward R. Laws, MD, FACS. *Brigham and Women's Hospital/Harvard Medical School, Boston, MA*

Chiari I Decompression

Danielle Dang, MD, MA, John F. Hamilton, MD, PhD, FACS. *Inova Fairfax Hospital, Falls Church, VA*

Transpedicular Microdiscectomy for C8 Radiculopathy

Danielle Dang, MD, MA, John F. Hamilton, MD, PhD, FACS. *Inova Fairfax Hospital, Falls Church, VA*

Utilization of 3-D Printing for Surgical Planning and Resection of Sciatic Notch Nerve Sheath Tumor

Seth Mansinghani, MD, John F. Hamilton, MD, PhD, FACS. *Inova Fairfax Hospital, Falls Church, VA*

Lumbar Laminectomy with Redo Resection of Grade 2 Ependymoma

Edjah K. Nduom, MD, Jonathan Pomeranec, MD. *National Institutes of Health/National Institute of Neurological Disorders and Stroke, Bethesda, MD*

C5-T1 Intradural Extramedullary Resection of Ewing's Sarcoma

Toomas Anton, MD, FACS, Gordon Preston, DO, Matthew B. Noble, DO. *Western Reserve Hospital, Cuyahoga Falls, OH*

T10-L5 Fusion for Treatment of Adjacent Segment Disease Causing Paraplegia

Toomas Anton, MD, FACS, Gordon Preston, DO, Matthew B. Noble, DO. *Western Reserve Hospital, Cuyahoga Falls, OH*

Anterior Cervical Discectomy with Arthroplasty for C5 Radiculopathy

Anirban Mahanty, John F. Hamilton, MD, PhD, FACS. *Inova Fairfax Hospital, Falls Church, VA*

VE108 | 4:15-5:45 pm Pancreas Surgery I

LOCATION: MS 152

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Flavio G. Rocha, MD, FACS, *Seattle, WA*

Laparoscopic Distal Pancreatectomy and Splenectomy in a Patient with Portal Hypertension

Morgan Bonds, MD, Janelle Rekman, MD, Adnan Alseidi, MD, FACS. *Virginia Mason Medical Center, Seattle, WA*

Robotic Distal Pancreatectomy with Celiac Axis Resection and Portal Vein Resection and Reconstruction (Modified Appleby Procedure)

Joshua J. Weis, MD, Patricio M. Polanco, MD, FACS, Adam C. Yopp, MD, FACS, Joo H. Lee, Caitlin A. Hester, MD, Herbert J. Zeh III, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Robotic Pancreaticoduodenectomy in Patient with Prior Roux-en-Y Gastric Bypass

Marcel Autran C. Machado, MD, PhD, FACS, Rodrigo Surjan, MD, Fabio Makdissi, MD. *Nove de Julho Hospital, São Paulo, Brazil*

The Concept of Minimally Invasive Surgery-Total Laparoscopic Distal Pancreatectomy with Splenectomy in Treating a Patient with Giant Serous Cystadenoma of Pancreas

Liu Yueze, MD, Feng Mengyu, MD, Qiu Jiangdong, MD, Yang Gang, MD, Cao Zhe, MD, Zhang Taiping, MD, PhD, FACS. *Peking Union Medical College Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China*

Novel Pancreatic Duct Closure Technique in Robotic Spleen Preserving Distal Pancreatectomy for Insulinoma
Elizabeth A. Hedges, MD, Jacob Moalem, MD, FACS, Luke O. Schoeniger, MD, PhD, FACS. *University of Rochester Medical Center, Rochester, NY*

Laparoscopic Transgastric Cystogastrostomy, Necrosectomy, and Distal Pancreatectomy for Walled-Off Pancreatic Necrosis and Disconnected Pancreatic Duct Syndrome
Micaela M. Esquivel, MD, Edmund W. Lee, MD, Brendan C. Visser, MD, FACS. *Stanford University Medical Center, Stanford, CA*

Laparoscopic Duodenum-Preserving Pancreatic Head Resection
Zhantao Shen, MD, Zhijian Tan, MD. *Guangdong Province Traditional Chinese Medical Hospital, Guangzhou, China*

Robotic Dissection of a Difficult Uncinate Process with Preservation of an Accessory Right Hepatic Artery during a Whipple Procedure
Gabriela M. Aguiluz, MD, Eduardo Fernandes, MD, PhD, FRCS, Roberto E. Bustos, MD, Valentina Valle, MD, Pier Giulianotti, MD, FACS. *University of Illinois at Chicago, Chicago, IL*

Tuesday, October 29

VE201 | 9:45-11:15 am
Bariatric Surgery II

LOCATION: MS 151

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):
Leena Khaitan, MD, FACS, *Cleveland, OH*, and Christopher L. Kalmar, MD, *Roanoke, VA*

Robotic Approach to Vertical Banded Gastroplasty to Gastric Bypass Revision
Sara Monfared, MD, Anna E. Martin, Dimitrios Stefanidis, MD, FACS. *Indiana University, Carmel, IN*

Early Experience and Lessons Learned with New 60mm Robotic Stapler in Sleeve Gastrectomy
Azure G. Adkins, MD, Ajay G. Upadhyay, MD, FACS. *Alta Bates Summit Medical Center, Oakland, CA*

Laparoscopic Management of Migrated Gastric Band Into the Mid-Jejunum Ten Years Following Lap Band Placement
Wasef Abu-Jaish, MD, FACS, FASMBS, Tessa Cattermole, MD, Candice Leach, MD. *University of Vermont Medical Center, Burlington, VT*

Laparoscopic Duodenal Switch after Sleeve Gastrectomy (Second Stage)
Michel Gagner, MD, FACS, FRCSC, FASMBS, FICS, AFC(Hon), Maxime Lapointe-Gagner, DEC. *Hopital du Sacre Coeur, Montreal, QC*

Laparoscopic Sleeve Gastrectomy with Proximal Jejunal Bypass (LSG-PJB) for the Treatment of Type 2 Diabetes Mellitus in a Patient with Body Mass Index (BMI) of less than 35kg/m²: A Case Report
Kathleen S. Chua, MD, Michelle Bernadette C. Lim-Loo, MD, Sammy C. Cunanan, MD, FACS. *Chinese General Hospital and Medical Center, Manila, Philippines*

Robotic Hiatal Hernia Repair and Toupe Fundoplication after Roux-en-Y Gastric Bypass
Rena Moon, MD, MPH, Alyssa Jameson Wier, MD, Andre F. Teixeira, MD, FACS, Muhammad A. Jawad, MD, FACS. *Orlando Regional Medical Center, Orlando, FL*

Lessons from Laparoscopic Roux-en-Y Gastric Bypass Reversal: Delayed Small Bowel Perforation Associated with Roux-Limb Resection
Rodolfo J. Oviedo, MD, FACS, FASMBS. *Valley Health Metabolic & Bariatric Program, Winchester, VA*

Laparoscopic Gastrojejunostomy Revision Complicated by Segmental Toxic Megacolon Requiring Right Hemicolectomy: Value of Early Surgical Intervention
Rodolfo J. Oviedo, MD, FACS, FASMBS. *Valley Health Metabolic & Bariatric Program, Winchester, VA*

VE202 | 9:45-11:15 am

Subject-Oriented Symposium II—New Surgical Technology

LOCATION: MW 3020-3022

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):
Dan E. Azagury, MD, FACS, *Stanford, CA*, and Erik B. Wilson, MD, FACS, *Houston, TX*

Minimally Invasive Ivor-Lewis Esophagectomy with Indocyanine Green (ICG) Fluorescence Imaging
Juliana de Paula Machado Henrique, MD, Luis Felipe de Almeida Okida, MD, Maria C. Fonseca, MD, Camila Ortiz Gomez, MD, Shiksha Joshi, MD, Fernando Dip, MD, FACS, Cristina Vila Zarate, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS, Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Performing Pectoral Nerve Blocks Intraoperatively during Mastectomy
Christopher L. Kalmar, MD, MBA. *Virginia Tech Carilion, Roanoke, VA*

Robotic Subtotal Gastrectomy for Cancer and Lymph Node Mapping Indocyanine Green (ICG)-Fluorescence-Guided
Giuseppe Spinoglio, MD, FACS, Alfredo Mellano, MD. *Candiolo Cancer Institute-IRCCS-FPO, Candiolo, Italy*

First-in-World Use of 8mm Magnets to Treat Recurrent Biliary Stricture via Endoscopic and Percutaneous Delivery
Vamsi K. Aribindi, MD, Mustafa Arain, MD, Kanti P. Kolli, MD, Veeshal H. Patel, MD, Phillip Kim, MD, Alexandru T. Balus, Rebecca C. Gologorsky, MD, Eric K. Nakakura, MD, PhD, FACS, Michael Harrison, MD, FACS. *University of California, San Francisco, San Francisco, CA*

Irreversible Electroporation Ablation of Non-Hepatic and Non-Pancreatic Cancers: Feasibility and Outcomes

Erika S. Mabes, DO, Jane Chung, MD, Caitlin Jones, MD, Edward J. Kruse, DO, FACS. *Augusta University Medical Center, Augusta, GA*

VE203 | 9:45-11:15 am Hepatobiliary Surgery I

LOCATION: MS 306-308

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER:

Ziad T. Awad, MD, FACS, *Atlantic Beach, FL*

Laparoscopic Hepatectomy of Segment 7 of the Liver

Xianhai Mao, MBBS, FACS, Xiaohui Duan, MD. *Hunan Provincial People's Hospital, The First Affiliated Hospital of Hunan Normal University, Changsha, China*

Laparoscopic Partial Hepatectomy

Xianhai Mao, FACS, Xiaohui Duan, MD. *Hunan Provincial People's Hospital, The First Affiliated Hospital of Hunan Normal University, Changsha, China*

Laparoscopic Right Hemihepatectomy for Hepatocellular Carcinoma

Xianhai Mao, FACS, Xiaohui Duan, MD. *Hunan Provincial People's Hospital, The First Affiliated Hospital of Hunan Normal University, Changsha, China*

Laparoscopic Right Hepatectomy for Polycystic Liver Disease

Edmund W. Lee, MD, Micaela M. Esquivel, MD, Brendan C. Visser, MD, FACS. *Stanford University School of Medicine, Stanford, CA*

Left Hepatectomy with Extrahepatic Bile Duct Resection for Perihilar Cholangiocarcinoma

Hiromichi Ito, MD, FACS, Naomi Kuroki, MD, Yoshihiro Ono, MD, Takafumi Sato, MD, Yoshihiro Mise, MD, Yosuke Inoue, MD, Yu Takahashi, MD. *Cancer Institute Hospital, Japanese Foundation for Cancer Research, Tokyo, Japan*

Robotic Cholecystectomy and Central Hepatectomy for Gallbladder Cancer

Iswanto Sucandy, MD, FACS, Andres Giovannetti, MD, Sharona B. Ross, MD, FACS, Alexander Rosemurgy, MD, FACS. *Advent Health Tampa, Tampa, FL*

Laparoscopic Left Lateral Sectionectomy Using the Extrahepatic Glissonean Approach: A Secure Option to Achieve Negative Margin for Lesions with Ductal Extension

Satoshi Ogiso, MD, PhD, FACS, Satoru Seo, MD, PhD, Tomoaki Yoh, MD, PhD, Takamichi Ishii, MD, PhD, Ken Fukumitsu, MD, PhD, Takashi Ito, MD, PhD, Toshihiko Masui, MD, PhD, Kojiro Taura, MD, PhD, Kojiro Kaide, MD, PhD, Shinji Uemoto, MD, PhD. *Kyoto University, Kyoto, Japan*

VE205 | 12:45-4:00 pm

General Surgery II: Hernia

LOCATION: MW 3020-3022

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Benjamin K. Poulouse, MD, MPH, FACS, *Columbus, OH*, and Brian P. Jacob, MD, FACS, *New York, NY*

Laparoscopic Diverticulectomy for the Management of Perforated Sigmoid Diverticulitis within a Strangulated Left Inguinal Hernia

Diya I. Alaadeen, MD, FACS. *Cleveland Clinic, Cleveland, OH*

Pushing the Boundaries of Laparoscopic Repair of Incarcerated Recurrent Inguinal hernia with Mesh

Indraneil Mukherjee, MD, MBBS, Judy Zhang, Lisa Y. Shimotake, MD, Karen Gibbs, MD, FACS. *Staten Island University Hospital, Staten Island, NY*

Extended View Totally Extraperitoneal (eTEP) Repair for the Routine Inguinal Hernia

Jorge E. Daes, MD, FACS, Elika Luque, MD, FACS. *Clinica Portoazul, Barranquilla, Colombia*

Selective Laparoscopic Genitofemoral Neurectomy for Chronic Groin Pain

Samuel Zolin, MD, David M. Krpata, MD, Ajita S. Prabhu, MD, FACS, Michael Rosen, MD, FACS, Clayton Petro, MD. *Cleveland Clinic Foundation, Cleveland, OH*

Laparoscopic Repair of Internal Hernia after Transabdominal Preperitoneal (TAPP) Inguinal Hernia Repair

Aldo Fafaj, MD, Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Clayton Petro, MD, Ajita S. Prabhu, MD, FACS, David M. Krpata, MD, Michael J. Rosen, MD, FACS, Diya I. Alaadeen, MD, FACS. *Cleveland Clinic Foundation, Cleveland, OH*

Laparoscopic Totally Extraperitoneal Repair of a Flank Hernia

Samuel Zolin, MD, Luciano Tastaldi, MD, Clayton Petro, MD, Ajita S. Prabhu, MD, FACS, Michael Rosen, MD, FACS, David M. Krpata, MD. *Cleveland Clinic Foundation, Cleveland, OH*

Laparoscopic Totally Extraperitoneal Repair of Spigelian Hernia Repair

Saeed Arefanian, MD, Jeffrey A. Blatnik, MD, FACS. *Washington University in St. Louis, St. Louis, MO*

Massive Hernia with Loss of Domain-Step-by-Step of Abdominal Wall Reconstruction

Luciano Tastaldi, MD, Hemasat Alkhatib, MD, Aldo Fafaj, MD, Clayton C. Petro, MD, David M. Krpata, MD, Ajita S. Prabhu, MD, FACS, Steven Rosenblatt, MD, FACS, Michael J. Rosen, MD, FACS. *Cleveland Clinic, Cleveland, OH*

Modified Repair of Lumbar Hernia Using Posterior Balloon Dissection

Jarvis W. Walters, DO, Joshua K. Phillips, MD, Ivy N. Haskins, MD, Fredrick J. Brody, MD, FACS. *Washington DC Veterans Affairs Medical Center, Washington, DC*

Extended View Totally Extraperitoneal (eTEP) Repair of an Incisional Hernia in the Inguinal Region

Jorge E. Daes, MD, FACS. *Clinica Portoazul, Barranquilla, Colombia*

Robotic Abdominal Wall Reconstruction Utilizing Extended-View Totally Extraperitoneal (eTEP) Access

Cristine S. Velazco, MD, MS, Alyssa B. Chapital, MD, PhD, FACS, David G. Pearson, MD. *Mayo Clinic, Phoenix, AZ*

Robotic Extended-View Totally Extraperitoneal (eTEP) Ventral Hernia Repair with Side Dock Approach

Emily J. Onufer, MD, MPH, Jeffrey A. Blatnik, MD, FACS. *Washington University in St. Louis, St. Louis, MO*

Robotic Incisional Hernia Repair with Mesh after Open Cholecystectomy

Roberto E. Bustos, MD, Gabriela M. Aguiluz, MD, Valentina Valle, MD, Alberto Mangano, MD, Mario Masrur, MD, FACS. *University of Illinois at Chicago, Chicago, IL*

Robotic Transabdominal Preperitoneal (rTAPP) Ventral Hernia Repair

Maggie L. Diller, MD, Daniel Davila, MD, Edward Lin, DO, FACS, S. Scott Davis, Jr., MD, FACS. *Emory University, Atlanta, GA*

Use of Transversalis Fascia and Its Release in Abdominal Wall Reconstruction (AWR)

Otto N. Thielen, Sean R. Maloney, MD, Paul D. Colavita, MD, Vedra A. Augenstein, MD, FACS, Brant T. Heniford, MD, FACS. *Atrium Health System, Charlotte, NC*

Robotic Repair of Parastomal Hernia with Transversus Abdominis Release

Giampaolo Formisano, MD, Sofia Esposito, MD, Giuseppe Giuliani, MD, Adelona Salaj, MD, Lucia Salvischiani, MD, Luca Felicioni, MD, Paolo P. Bianchi, MD. *Misericordia Hospital, Grosseto, Italy*

VE206 | 12:45-4:00 pm

Cardiothoracic Surgery

LOCATION: MS 306-308

TRACK(S): CTS

COORDINATOR AND PRESIDING OFFICER(S):

Manu S. Sancheti, MD, FACS, *Atlanta, GA*, and Roman V. Petrov, MD, FACS, *Philadelphia, PA*

Robotic Resection of Superior Mediastinal Mass

Alison F. Ward, MD, Keiji Drysdale, Michael Zervos, MD, *NYU Langone Health, New York, NY*

Totally Endoscopic 3-Vessel Coronary Artery Bypass with Bilateral Internal Mammaries

Husam H. Balkhy, MD, FACS, Andrew R. Brownlee, MD. *University of Chicago, Chicago, IL*

Mediastinal Mass

Emily Kerby, DO, Sachinder Hans, MD, FACS, Quynh P. Le, DO, Raed M. Alnajjar, MD, MBBS, FACS. *Henry Ford Macomb, Clinton Township, MI*

Robotic-Assisted Repair of Delayed Presentation of Traumatic Diaphragmatic Hernia

Sean A. Jordan, MD, Abbas Abbas, MD, FACS, Charles T. Bakhos, MD, FACS, Howard Lee, MD, Roman V. Petrov, MD, FACS. *Temple University Hospital, Philadelphia, PA*

Robotic Diaphragm Plication

David T. Cooke, MD, FACS, William Smith, CCRP, Lisa M. Brown, MD, MAS, FACS. *University of California, Davis Health, Sacramento, CA*

Robotic-Assisted Left Lower Lobectomy and Lymph Node Dissection for Bronchiectasis

Chelsea R. Horwood, MD, MPH, Robert E. Merritt, MD, Peter Kneuert, MD, Desmond M. D'Souza, MBBS, FACS. *Ohio State University Wexner Medical Center, Columbus, OH*

Epiphrenic Esophageal Diverticulum

Bruno S. Walther, MD, PhD, FACS. *Lund University, Lund, Sweden*

Norwood Aneurysm: Surgical Management

Raghav A. Murthy, MBBS, DABS, FACS, Ahmad Hasan, MS, Othman Aljohani, MD, John Lamberti, MD, FACS. *Rady Children's Hospital, San Diego, CA*

Thoracoscopic Resection of a Superior Sulcus Tumor after Neoadjuvant Chemoradiotherapy with Intraoperative Repair of Subclavian Artery Injury

James Speicher, MD, Alexandra Kharazi, MD, Aundrea Oliver, MD, Mark D. Iannettoni, MD, FACS, Carlos Anciano, MD. *East Carolina University Brody School of Medicine, Greenville, NC*

Robotic Ivor-Lewis Esophagectomy

Sayed A. Arshad, MD, Victor H. Phuoc, MD, FACS. *University of New Mexico, Albuquerque, NM*

Laparoscopic Omental Flap in the Treatment of Deep Sternal Wound Infection

Wanda Lam, MD, Donald J. Harvey, MD, Christopher Towe, MD, Sharon L. Stein, MD, FACS. *University Hospitals Cleveland Medical Center, Cleveland, OH*

Pulmonary Carcinoid Tumor in a Morbidly Obese Patient Successfully Treated with Robotic Left Upper Lobe Sleeve Resection

Kayla Maaraoui, Medical Student, Anya Kalsbeek, Medical Student, Frans van Wagenberg, MD, MS, Kemp H. Kerntine, MD, PhD, FACS, Scott Reznik, MD, FACS. *University of Texas Southwestern Medical Center, Dallas, TX*

Thoracoscopic and Laparoscopic Repair of Pleuroperitoneal Communication

David Weithorn, MD, Gina Kim, MD, Danielle Friedman, MD, Jody M. Kaban, MD, FACS. *Jacobi Medical Center, Bronx, NY*

Using Virtual Reality for Surgical Planning of Mediastinal Mass Resection

Keith D. Mortman, MD, FACS. *George Washington University, Washington, DC*

Case Report: Robotic Segmentectomy after Prior Lobectomy

Richard Zheng, MD, Courtney L. Devin, MD, Nathaniel R. Evans III, MD, FACS. *Thomas Jefferson University Hospital, Philadelphia, PA*

Endoscopic Management of Pulmonary Hydatidosis: A New Standard of Surgical Care

Ajay H. Bhandarwar, MBBS, MS, Amol N. Wagh, MBBS, MS, Abhijit Shah, MBBS, MS, Amarjeet E. Tandur, MBBS, MS, Chintan B. Patel, MBBS, MS, Eham L. Arora, MBBS, MS, FMAS, FIAGES, Shekhar Jadhav, MBBS, MS. *Grant Government Medical College & Sir JJ Group of Hospitals, Mumbai, India*

VE207 | 2:30-4:00 pm

Urological Surgery

LOCATION: MS 151

TRACK(S): URO

COORDINATOR AND PRESIDING OFFICER(S):

Leslie A. Deane, MBBS, FRCSC, FACS, *Miami, FL*

Penile Reconstruction after Fournier Gangrene

John N. Graham, Jr., MD, Jonathan Khusid, MD, Matthew T. Smith, MD, Andrew G. Winer, MD, Aleksandr Shteynberg, MD, FACS, Abdo Kabarriti, MD. *State University of New York Downstate Medical Center, Brooklyn, NY*

Penile Plication for Penile Curvature: The 8-Dot Technique

Mark Ehlers, MD, Bradley Figler, MD, FACS. *University of North Carolina, Chapel Hill, NC*

Intraoperative Fluorescence Imaging during Anterior Pelvic Exenteration with Vertical Rectus Abdominis Myocutaneous (VRAM) Flap Reconstruction

Srinath Kotamarti, MD, Ervin Teper, MD, Brian D. Cohen, MD, FACS, Danny A. Sherwinter, MD, FACS, Marc Lubin, MD, Ajit Singh, DO, David Silver, MD, FACS, Ariel Schulman, MD. *Maimonides Medical Center, Brooklyn, NY*

Role of Indocyanine Green (ICG) Angiography with Fluorescent Imaging in Laparoscopic Radical Nephrectomy in Renal Cell Carcinoma

Chintan B. Patel, MBBS, MS, Ajay H. Bhandarwar, MBBS, MS, Saurabh S. Gandhi, MBBS, MS, Eham L. Arora, MBBS, MS, FMAS, FIAGES. *Grant Government Medical College & Sir JJ Group of Hospitals, Mumbai, India*

Robotic Revision of Uretero-Ileal Anastomotic Stricture Following Radical Cystectomy with Ileal Conduit

Lukas Hockman, MD, Naveen Pokala, MD. *University of Missouri, Columbia, MO*

Autotransplant for Treatment of Nutcracker Kidney with Pelvic Congestion Syndrome

Jonathan C. DeLong, MD. *University of California, San Diego, San Diego, CA*

Robot-Assisted Laparoscopic Radical Salvage Prostatectomy Using a Single-Port Platform

Jennifer N. Rosen, MD, Ava Saidian, MD, Andrew M. Fang, MD, Vidhush K. Yarlagadda, MD, Jeffrey W. Nix, MD, FACS. *University of Alabama at Birmingham, Birmingham, AL*

Single-Port Robotic Inguinal Lymph Node Dissection

Andrew M. Fang, MD, Ava Saidian, MD, Vidhush K. Yarlagadda, MD, Jennifer N. Rosen, MD, Jeffrey W. Nix, MD, FACS, John Selph, MD. *University of Alabama at Birmingham, Birmingham, AL*

VE208 | 2:30-4:00 pm

Otolaryngology-Head and Neck Surgery

LOCATION: MS 152

TRACK(S): OTO

COORDINATOR AND PRESIDING OFFICER(S):

Soham Roy, MD, FACS, *Houston, TX*, and Joseph Scharpf, MD, FACS, *Chagrin Falls, OH*

Parotidectomy and the Incidence of Warthin Tumors among Veterans

Adnan S. Hussaini, MD, Kelly F. Moyer, MD, Navin R. Prasad, Edina Paal, MD, Jarvis Walters, DO, Fredrick J. Brody, MD, FACS, Sonya Malekzadeh, MD, FACS, Jessica H. Maxwell, MD, MPH, FACS. *Washington DC Veterans Affairs Medical Center, Washington, DC*

Cochlear Implant Surgery without the Operating Microscope: A Tryst with a New Technology

Amit Goyal, MS, DNB, MAMS, Vidhu Sharma, MS. *All India Institute of Medical Sciences, Jodhpur, India*

Endoscopic Anterior-Posterior Cricoid Split for Pediatric Bilateral Vocal Fold Paralysis

Aimee Kennedy, MD, Catherine K. Hart, MD, Alessandro de Alarcon, MD, MPH, FACS, Matthew M. Smith, MD, Michael J. Rutter, MD. *Cincinnati Children's Hospital Medical Center, Cincinnati, OH*

Laryngeal Mask Airway as an Alternative to Endotracheal Intubation for Oropharyngeal Surgery

Ravi N. Patel, Juliette O. Flam, MD, Lee P. Smith, MD, FACS. *Northwell Health, New Hyde Park, NY*

Slide Tracheoplasty for Complete Tracheal Rings

Andrew J. Redmann, MD, Michael J. Rutter, MD, Catherine K. Hart, MD, Alessandro de Alarcon, MD, MPH, FACS, Matthew M. Smith, MD. *Cincinnati Children's Hospital Medical Center, Cincinnati, OH*

Identification and Management of Four-Gland Hyperplasia in Primary Hyperparathyroidism

Syed H. Shiraz Naqvi, MD, Kunal S. Jain, MD, FACS, Kelly L. Wirfel, MD, Soham Roy, MD, FACS, Ron J. Karni, MD. *University of Texas Medical School at Houston, Houston, TX*

Mitigating the Risk of Burn Injuries from Endoscopic Light Cables

Soham Roy, MD, FACS, Lee P. Smith, MD, FACS. *University of Texas Medical School at Houston, Houston, TX, Cohen Children's Medical Center*

VE209 | 2:30-4:00 pm

Subject-Oriented Symposium III: Revisional Foregut Surgery

LOCATION: MS 158

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Aurora D. Pryor, MD, FACS, *Stony Brook, NY*, and Mehran Anvari, MD, FACS, *Hamilton, ON*

Laparoscopic Revision of Median Arcuate Ligament Release

Alisan Fathalizadeh, MD, Joshua Landreneau, MD, John H. Rodriguez, MD, FACS, Kevin M. El-Hayek, MD, FACS. *Cleveland Clinic Foundation, Cleveland, OH*

Management of Severe Gastroparesis with Sleeve Gastrectomy: A New Approach

Rebeca V. Dominguez-Profeta, MD, Arielle M. Lee, MD, Kai Neki, MD, Ryan C. Broderick, MD, Robert Cubas, MD, Karl-Hermann Fuchs, MD, Joslin N. Cheverie, MD, Bryan J. Sandler, MD, FACS, Garth R. Jacobsen, MD, FACS, Santiago Horgan, MD, FACS. *University of California, San Diego, La Jolla, CA*

Transhiatal Laparoscopic Epiphrenic Diverticulectomy after Nissen Fundoplication

Sue J. Hahn, MD, Anthony Vine, MD, FACS. *Mount Sinai Hospital, New York, NY*

Laparoscopic Esophageal Salvage for the Treatment of Mesh Erosion into the Distal Esophagus

Patrick R. Reardon, MD, FACS, Lee M. Morris, MD, FACS, Lindsay Tse, DO, Majid Kianmajd, DO. *Houston Methodist Hospital, Houston, TX*

Laparoscopic Repair of Incarcerated Hiatal Hernia following Esophagectomy with Gastric Pull-Up

Victoria Needham, MD, Ajay K. Chopra, MD. *Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY*

Posterior Peroral Endoscopic Myotomy for Refractory Dysphagia after Failed Heller Myotomy

David J. Morrell, MD, Samantha Witte, MD, Eric M. Pauli, MD, FACS. *Penn State Health Milton S. Hershey Medical Center, Hershey, PA*

Robotic Removal of Linx Device with Conversion to Nissen Fundoplication

Jessica Weiss, MD, Angel Reyes, MD, FACS. *Madigan Army Medical Center, Tacoma, WA*

VE210 | 4:15-5:45 pm International Video Session

LOCATION: MS 306-308

TRACK(S): GEN, INT

COORDINATOR AND PRESIDING OFFICER(S):

Giovanni Dapri, MD, PhD, FACS, *Brussels, Belgium*

PANELISTS:

Alan A. Saber, MBBS, FACS, *Short Hills, NJ*
Shamir O. Cawich, MBBS, FACS, *St. Augustine, Trinidad and Tobago*

Laparoscopic Adrenalectomy for Right and Left Large Adrenal Masses: Tips and Tricks

Laura Antolino, MD, Giovanni Moschetta, MD, Maria Sole Mattei, MD, Niccolò Petrucciani, MD, PhD, Paolo Aurello, MD, PhD, Stefano Valabrega, MD, FACS, Giuseppe R. Nigri, MD, PhD, FACS, FRCS, FASCRS, Francesco D'Angelo, MD, PhD, FACS, Giovanni Ramacciato, MD, FACS. *AOU Sant'Andrea, Rome, Italy*

Laparoscopic Approach of a Giant Retroperitoneal Cyst

Mariano Palermo, MD, PhD, FACS, Angel M. Minetti, MD, FACS, Rodolfo C. Zannoli, MD, FACS, Luis E. Basterrica, MD, Sebastian Alvarez, MD. *Sanatorio de la Trinidad Ramos Mejia, Buenos Aires, Argentina*

Single-Incision Laparoscopic Surgery (SILS) Totally Extraperitoneal (TEP) and SILS Transabdominal Preperitoneal (TAPP) Repair for Inguinal Hernias Completely Sutured No Fixation Devices

Ashwin Thangavelu, MS, FACS. *Ashwin Hospital, Coimbatore, India*

Laparoscopic Duodenojejunostomy for Superior Mesenteric Artery (SMA) Syndrome

Moamena El-Matbouly, MD, Hussien Touny, MD, Shameel Musthafa, MBBS. *Hamad General Hospital, Doha, Qatar*

Laparoscopic Pylorus-Preserving Pancreaticoduodenectomy

XiaoSheng Zhong, MD, Zhijian Tan, MD, Zhantao Shen, MD. *Guangdong Province Traditional Chinese Medical Hospital, Guangzhou, China*

The Use of the da Vinci Xi for a Locally Advanced Pancreatic Cancer: A Robotic Appleby Pancreatectomy

Niccolò Furbetta, MD, Simone Guadagni, MD, Gregorio Di Franco, MD, Matteo Bianchini, MD, Matteo Palmeri, MD, Desirée Gianardi, MD, Lorenzo Maria Fatucchi, MD, Giulio Di Candio, MD, Franco Mosca, MD, FACS, Luca Morelli, MD, FACS, FASCRS. *University of Pisa, Pisa, Italy*

Tips for Avoiding Wirsung Stump Loss after Enlargement of Pancreatic Resection Margin during Laparoscopic Pancreaticoduodenectomy

Damiano Caputo, MD, FACS, Chiara Cascone, MD, Mariacristina Cartillone, MD, Vincenzo La Vaccara, MD, PhD, Lorenza Caggiati, MD, Tommaso Farolfi, MD, Alessandro Coppola, MD, PhD, Roberto Coppola, MD, FACS. *University Campus Bio-Medico di Roma, Rome, Italy*

VE211 | 4:15-5:45 pm Endocrine Surgery

LOCATION: MS 151

TRACK(S): GEN, OTO

COORDINATOR AND PRESIDING OFFICER(S):

Eren Berber, MD, FACS, *Cleveland, OH*, William B. Inabnet, MD, FACS, *New York, NY*, and Mark E. Zafereo, MD, FACS, *Houston, TX*

Recurrent Papillary Thyroid Carcinoma with Laryngeal Involvement

Kristine Kamille P. Nieto-Lorenzo, MD, Remoo Caballero, MD, Rommel M. Galicia, MD, FPCS, FPSGS, FACS, Roberto A. Sarmiento, MD, FPCS, FPSGS, FACS, Rico Nebres, MD, FACS, FPCS, FPSGS, FPAPRAS. *Bicol Medical Center, Naga City, Philippines*

Non-Recurrent Laryngeal Nerve Discovered with Intraoperative Neuromonitoring during Minimally Invasive Video-Assisted Thyroidectomy (MIVAT)

Alessandra Cossa, MD, Domitilla Gaia Passantino, MD, Giorgio Castagnola, MD, Marco Bellucci, MD, Gherardo Romeo, MD, Giuseppe R. Nigri, MD, PhD, FACS, FRCS, FASCRS, Carlo Bellotti, MD. *La Sapienza-Università di Roma, Roma, Italy*

Transoral and Submental Endoscopic Thyroid Surgery: A Modified "Scarless" Technique

Yufei Chen, MD, Insoo Suh, MD, FACS. *University of California, San Francisco, San Francisco, CA*

Intraoperative Identification and Ligation of Thoracic Duct Injury Using Indocyanine Green-Based Lymphangiography

Jason T. Wiseman, MD, MSPH, Rami J. Aoun, MD, Jeffery Chakedis, MD, Lawrence A. Shirley, MD, FACS, John E. Phay, MD, FACS. *Ohio State University Wexner Medical Center and James Cancer Hospital and Solove Research Institute, Columbus, OH*

Transoral Endoscopic Parathyroidectomy-Vestibular Approach

Rohit Ranganath, MD, Christopher R. Razavi, MD, Mohammad Shaeer, MD, Jonathon O. Russell, MD, Ralph P. Tufano, MD, FACS. *Johns Hopkins Hospital, Baltimore, MD*

Robotic Transaxillary Subtotal Parathyroidectomy for Multiple Endocrine Neoplasia Type 1 (MEN 1)

Saad Al Awwad, MD, FEBS, FACS, Hassan Alzahrani, MD, MRCS, FRCS, Emad Kandil, MD, MBA, FACS, FACE. *Tulane University, New Orleans, LA*

Robotic Subtotal Adrenalectomy for Recurrent Cushing Syndrome

Saad Al Awwad, MD, FEBS, FACS, Joana Ochoa, MD, Hassan Alzahrani, MD, MRCS, FRCS, Emad Kandil, MD, MBA, FACS, FACE. *Tulane University, New Orleans, LA*

Pearls and Pitfalls of Retroperitoneoscopic Adrenalectomy

Ryan W. Day, MD, Sarah B. Fisher, MD, Nancy D. Perrier, MD, FACS. *MD Anderson Cancer Center, Houston, TX*

Treatment of Adrenal Carcinoma with Thrombosis of Vena Cava by Means of Extracorporeal Pump

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

VE212 | 6:30-8:30 pm

Video Highlights of Clinical Congress 2018

LOCATION: Hilton San Francisco Union Square Plaza B

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Alan A. Saber, MBBCh, FACS, *Short Hills, NJ*

PANELISTS:

Adam M. Kopelan, MD, FACS, *Newark, NJ*

Almino C. Ramos, MD, MSc, PhD, FACS, FASMBS, *San Paulo, Brazil*

Raul J. Rosenthal, MD, FACS, FASMBS, *Weston, FL*

Scott A. Shikora, MD, FACS, *Boston, MA*

Steven D. Wexner, MD, PhD(Hon), FACS, FRCS, FRCSEd, FRCSEd(Hon), FRCSEd(Hon), *Weston, FL*

Natan Zundel, MD, FACS, *North Miami Beach, FL*

Laparoscopic Repair of Iatrogenic Colon Perforation after Colonoscopy

Alan A. Saber, MBBCh, FACS, Adam M. Kopelan, MD, FACS, Arpit Patel, MD, *Newark Beth Israel Medical Center, Newark, NJ*

Laparoscopic Hartmann's Reversal with Retroileal Pull-Through for a Tension-Free Colorectal Anastomosis

Andrea M. Petrucci, MD, MEd, Yuksel Altinel, MD, Steven D. Wexner, MD, FACS, PhD(Hon), FRCS, FRCSEd, FRCSEd(Hon), FRCSEd(Hon). *Cleveland Clinic Florida, Weston, FL*

Technical Pearls for Laparoscopic Hartmann's Reversal with Intracorporeal Anastomosis

Elizabeth Hechenbleikner, MD, Barry Salky, MD, FACS. *Mount Sinai Hospital, New York, NY*

Endoscopic Sleeve Gastropasty

Stephanie Novak, MS, Kristina L. Guyton, MD, Alexander Trenk, MD, Michael Ujiki, MD, FACS. *NorthShore University Health System, Evanston, IL*

Laparoscopic Total Pancreatectomy and Splenectomy

Dominic E. Sanford, MD, Pascal R. Fuchshuber, MD, PhD, FACS, Horacio J. Asbun, MD, FACS. *Mayo Clinic Florida, Jacksonville, FL*

Laparoscopic Trauma Exploration with Bladder Injury Repair and Assisted-Loop Sigmoid Colostomy

Husham Mohamed M. Ahmed, MBBCh, Yasir Al-Zubaidi, MD, FRCSEd, Hassan Al-Thani, MBBCh, FACS, Ruben Peralta, MD, FACS, FCCM, Ibrahim N. Afifi, MBBCh, PhD, FACS, Talat S. Chughtai, MD, FRCSEd, Ammar Al-Ani, FRCSEd, Ahmad Albakr, MD. *Hamad Medical Corporation, Doha, Qatar*

Essential Points of Laparoscopic Repair of Morgagni Hernia

Philip E. George, MD, Robert E. Sweeney, MD, Daniel M. Herron, MD, FACS, FASMBS. *Icahn School of Medicine at Mount Sinai, New York, NY*

Intraoperative Fluorescence-Guided Common Bile Duct Exploration Post-Cholecystectomy

Luis F. Zorrilla-Nunez, MD, Omobolanle O. Oyefule, MD, Fernando Dip, MD, Emanuele Lo Menzo, MD, PhD, FACS, Ramarao Ganga, MD, Samuel Szomstein, MD, FACS, Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Laparoscopic Techniques for Gastric Gastrointestinal Stromal Tumor Resection

Michael N. Tran, MD, Brian R. Smith, MD, Ninh T. Nguyen, MD, FACS, FASMBS. *University of California Irvine, Orange, CA*

Laparoscopic Diaphragmatic Hernia Repair

Kristina L. Guyton, MD, Stephanie Novak, MS, John C. Alverdy, MD, FACS, Vivek N. Prachand, MD, FACS. *University of Chicago, Chicago, IL*

Bleeding Following Roux-en-Y Gastric Bypass (RYGB) in a Patient with Lynch Syndrome

Rena C. Moon, MD, Muhammad Ghanem, MD, Andre F. Teixeira, MD, FACS, Muhammad Z. Abdul-Jawad, MD, FACS. *Orlando Regional Medical Center, Orlando, FL*

Thoracic Esophageal Injury during LSG: Lessons Learned and How I Manage It

Ayman M. Soliman, MBBCh, PhD, FACS. *NMC Royal Hospital, Abu Dhabi, United Arab Emirates*

Wednesday, October 30

VE301 | 8:00-11:15 am

General Surgery III–Foregut

LOCATION: MS 306-308

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Leena Khaitan, MD, FACS, *Cleveland, OH*, and
Rami Lutfi, MD, FACS, *Chicago, IL*

Minimally Invasive Ivor Lewis Esophagectomy after Roux-en-Y Gastric Bypass

Juliana de Paula Machado Henrique, MD, Luis Felipe de Almeida Okida, MD, Camila Ortiz Gomez, MD, Maria C. Fonseca, MD, Cristina Vila Zarate, MD, Fernando Dip, MD, FACS, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS, Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

Adult Morgagni Diaphragmatic Hernia Defect Repair Using Bone Anchors

Andres Narvaez Cordova, MD, Gerardo Davalos, MD, Ramon Diaz Jara, MD, Dana Portenier, MD, FACS, A. Daniel Guerron, MD. *Duke University, Durham, NC*

Epiphrenic Esophageal Diverticulum (EED): Laparoscopic Diverticulectomy and Esophageal Myotomy with Nissen Fundoplication

Tommaso Cipolat Mis, MD, Mariacristina Cartillone, MD, Elena Falsetti, MD, Antonio D'Alessandro, MD, PhD, Elias Chahine, MD, Elie Chouillard, MD, PhD. *Centre Intercommunal Hospitalier Poissy-St. Germain en Laye, Poissy, France*

Laparoscopic D2 Gastrectomy for Advanced Gastric Cancer

Israel E. Arias Ramirez, MD. *INTERLAP, International Laparoscopic Surgery Center, San Salvador, El Salvador*

Laparoscopic Excision of Intraluminal Duodenal Lesion

Moamena El-Matbouly, MD, Hussien Touny, MD, Shameel Musthafa, MBBS. *Hamad General Hospital, Doha, Qatar*

Laparoscopic Median Arcuate Ligament Release

Daanish Kazi, DO, Leena Khaitan, MD, FACS. *University Hospitals Cleveland Medical Center, Cleveland, OH*

Laparoscopic Repair of a Giant Diaphragmatic Hernia

James Nguyen, MD, Raveendra Morchi, MD, Shaun Daly, MD. *University of California, Irvine Medical Center, Orange, CA*

Laparoscopic Repair of Morgagni Hernia in a 90 Year Old

Joshua K. Ramjist, MD, MSc, Reena Bakshi, MD, Mustafa Siddique, MD, Heath Walden, MD, FACS, Krishan Patel, MD, Igor Brichkov, MD, FACS. *Maimonides Medical Center, Brooklyn, NY*

Maneuvers for En Bloc Celiac Trunk Lymphadenectomy for Total Gastrectomy

Ankit D. Patel, MD, FACS, Edward Lin, DO, FACS. *Emory University, Atlanta, GA*

Minimally Invasive Transdiaphragmatic Nephrectomy and Repair of Bochdalek Hernia

Eric Pletcher, MD, Ketan Badani, MD, Scott Belsley, MD, FACS. *Mount Sinai West, New York, NY*

Replaced Left Hepatic Artery Preservation during Minimally Invasive Esophagectomy for Cancer

Elisa Sefora Pierobon, MD, PhD, Giovanni Capovilla, MD, PhD, Lucia Moletta, MD, Luca Provenzano, MD, Alberto Ponzoni, MD, Mario Costantini, MD, Stefano Merigliano, MD, Renato Salvador, MD, Michele Valmasoni, MD, PhD. *Center for Esophageal Diseases, University Hospital of Padova, Padova, Italy*

Robot-Assisted Transhiatal Enucleation of Esophageal Leiomyoma

Geena Wu, MD, Marisa Bartz-Kurycki, MD, Samuel Kim, MD, FACS. *Banner University Medical Center, Tucson, AZ*

Small Bowel Obstruction after Sleeve Gastrectomy Requiring Laparoscopic Diaphragmatic Hernia Repair with Mesh

Eugene Wang, MD, Fady P. Marji, MD, Ivanesa L. Pardo, MD, FACS. *MedStar Georgetown-Washington Hospital Center, Washington, DC*

The Consequences of Caustic Ingestion: Ivor-Lewis Esophagectomy for Long Segment Stricture

Arielle M. Lee, MD, Rebeca V. Dominguez-Profeta, MD, Kai Neki, MD, Robert Cubas, MD, Ryan Broderick, MD, Joslin N. Cheverie, MD, Bryan J. Sandler, MD, FACS, Garth R. Jacobsen, MD, FACS, Santiago Horgan, MD, FACS, Mark Onaitis, MD. *University of California, San Diego, La Jolla, CA*

Laparoscopic Common Bile Duct Exploration with Multiple Stones

Zeyad Loubnan, MD, John Yonge, MD, Manish S. Parikh, MD, FACS, Akuezunkpa Ude-Welcome, MD, FACS. *NYU School of Medicine, New York City, NY*

Laparoscopic Transgastric Excision of a Gastric Submucosal Mass

James Nguyen, MD, Luke Putnam, MD, Ninh T. Nguyen, MD, Brian Smith, MD, FACS. *University of California, Irvine Medical Center, Orange, CA*

VE302 | 8:00-11:15 am

Pediatric Surgery

LOCATION: MS 151

TRACK(S): PED

COORDINATOR AND PRESIDING OFFICER(S):

Barbara A. Gaines, MD, FACS, *Pittsburgh, PA*, and Shawn D. St. Peter, MD, FACS, *Kansas City, MO*

Fetoscopic Diagnosis of Type IV Laryngeal Cleft in Conjunction with Congenital Diaphragmatic Hernia

Candace C. Style, MD, MS, Mariatu Verla, MD, Amy Mehollin-Ray, MD, Michael Belfort, MD, PhD, Oluyinka O. Olutoye, MBChB, PhD, FACS. *Baylor College of Medicine, Houston, TX*

Video-Assisted Thoracoscopic Thymectomy

Charlene Dekonenko, MD, Jeong S. Hyun, MD, David Juang, MD, FACS. *Children's Mercy, Kansas City, MO*

Thoracoscopic Resection of Right Upper and Lower Lobe Congenital Lobar Emphysema

Charlene Dekonenko, MD, Hanna Alemayehu, MD, Tolupe A. Oyetunji, MBChB, MPH, FACS. *Children's Mercy, Kansas City, KS*

Indocyanine Green Localization in Laparoscopic Treatment of Median Arcuate Ligament Syndrome

Clifton Ewbank, MD, Kara Rothenberg, MD, Jordan Jackson, MD, Sunghoon Kim, MD, FACS. *University of California, San Francisco Benioff Children's Hospital, Oakland, CA*

Pediatric Laparoscopic Gastrostomy: A Modified Georgeson Technique

Luis I. Ruffolo, MD, Derek S. Wakeman, MD, FACS, FAAP. *University of Rochester Medical Center, Rochester, NY*

Laparoscopic Hepatic Cyst Excision

Adam Bajinting, Tess Huy, Jose Greenspon, MD, FACS, Gustavo A. Villalona, MD, FACS, FAAP. *St. Louis University School of Medicine, Cardinal Glennon Children's Hospital, St. Louis, MO*

Collaborative Multispecialty Delayed Closure of Giant Omphalocele with Mesh Placement

David J. Morrell, MD, Brett W. Engbrecht, MD, FACS, Eric M. Pauli, MD, FACS. *Penn State Health Milton S. Hershey Medical Center, Hershey, PA*

Primary Retroperitoneal Immature Teratomas: A Case Study in Approaching Challenging Minimally Invasive Cases

Alexander M. DeMare, MD, Samer Kawak, MD, Nathan M. Novotny, MD, FACS. *Beaumont Health, Royal Oak, MI*

Single Incision Laparoscopic Surgery (SILS) Ovarian Mobilization for Undescended Ovary

Joseph Esparaz, MD, Alyssa Mowrer, MD, Anthony Munaco, MD, Charles Aprahamian, MD, FACS, Paul Jeziorczak, MD, Daniel Robertson, MD. *University of Illinois at Peoria, Peoria, IL*

Total Laparoscopic Excision of a Large Ovarian Teratoma

Alexander T. Gibbons, MD, MS, Avraham D. Schlager, MD. *Akron Children's Hospital, Akron, OH*

Laparoscopic Hysterectomy with Opportunistic Salpingectomy for Total Vaginal Agenesis Presenting as Perforated Appendicitis

Tess Huy, Adam Bajinting, Gustavo A. Villalona, MD, FACS, Jose Greenspon, MD, FACS, FAAP. *St. Louis University School of Medicine, Cardinal Glennon Children's Hospital, St. Louis, MO*

Laparoscopic Sugarbaker Parastomal Hernia Repair

Tess Huy, Adam Bajinting, Gustavo A. Villalona, MD, FACS, Jose Greenspon, MD, FACS, FAAP. *St. Louis University School of Medicine, Cardinal Glennon Children's Hospital, St. Louis, MO*

Pediatric Laparoscopic Completion Proctectomy with Ileal Pouch-Anal Anastomosis (IPAA) Using Rectal Eversion

Lauren E. McClain, MD, Alana L. Beres, MDCM, MPH, FACS, FAAP, FRCS(c). *UT Southwestern/Children's Medical Center, Dallas, TX*

Minimally Invasive Surgery for the Treatment of Long-Gap Rectal Atresia

Mollie S. Ahn, MBA, Kanika A. Bowen-Jallow, MD, FACS. *University of Texas Medical Branch, Galveston, TX*

Neo-Salpingostomy: Hydrosalpinx Successful Treatment in a Pediatric Patient

Juliana Mancera, MD, Catalina Correa, MD, Jhon A. Peralta, MD, Luis C. Rincon, MD, FACS. *Hospital Militar Central, Bogota, Colombia*

VE303 | 9:45-11:15 am

Subject-Oriented Symposium IV—Revisional Bariatric

LOCATION: MS 158

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Dana A. Telem, MD, MPH, FACS, *Ann Arbor, MI*, and Natan Zundel, MD, FACS, *North Miami Beach, FL*

Gastric Herniation through Lap Band with Associated Large Paraesophageal Hernia: Reduction and Hiatal Tamponade Using Gastric Fundus

Nicholas M. Morin, DO, Shinban Liu, DO, George Ferzli, MD, FACS. *NYU Langone Brooklyn, Brooklyn, NY*

Robotic-Assisted Conversion from Nissen Fundoplication to Roux-en-Y Gastric Bypass

Rachel W. Davis, MD, Carlos A. Galvani, MD, FACS. *Baylor College of Medicine, Houston, TX*

Remission of Type 2 Diabetes Mellitus after Laparoscopic Duodenal Switch

Hana Fayazzadeh, MD, Philip R. Schauer, MD, FACS. *Cleveland Clinic Foundation, Cleveland, OH*

Laparoscopic Heller Myotomy after Laparoscopic Roux-en-Y Gastric Bypass

Katerina Dukleska, MD, Livingstone Dore, MD, Ernest L. Rosato, MD, FACS, Francesco Palazzo, MD, FACS, Karen A. Chojnacki, MD, FACS. *Thomas Jefferson University, Philadelphia, PA*

Laparoscopic Reduction of an Incarcerated Organoaxial Volvulus and Hiatal Hernia Repair

Sahil M. Gambhir, MD, James Nguyen, MD, Shaun Daly, MD, Ninh T. Nguyen, MD, Marcelo W. Hinojosa, MD, FACS, Brian Smith, MD, FACS. *University of California, Irvine Medical Center, Orange, CA*

Score for Quality of Gastric Plication: The Standardization of the Technique

Youssef A. Andraos, MD, FACS, Kevin M. Saliba, MD. *Abou Jaoudeh Hospital, Beirut, Lebanon*

Laparoscopic Conversion of a Sleeve Gastrectomy to a Roux-en-Y Gastric Bypass after Primary Laparoscopic Adjustable Gastric Banding

Rene Aleman, MD, Cristina Vila Zarate, MD, Camila Ortiz, MD, Emanuele Lo Menzo, MD, PhD, FACS, FASMBS, Samuel Szomstein, MD, FACS, FASMBS, Raul J. Rosenthal, MD, FACS, FASMBS. *Cleveland Clinic Florida, Weston, FL*

VE304 | 9:45-11:15 am

Vascular Surgery

LOCATION: MS 152

TRACK(S): VAS

COORDINATOR AND PRESIDING OFFICER(S):

Adam J. Doyle, MD, FACS, *Rochester, NY*, and Angela Kokkosis, MD, FACS, *Stony Brook, NY*

Giant Aneurysm of the Celiac Trunk

Enrique Moreno-Gonzalez, MD, FACS(Hon), *Doce de Octubre University Hospital, Madrid, Spain*

Surgical Resection of Large Carotid Body Tumor

Satvik Jhamb, MD, Carlos J. Anciano, MD, Brian N. Brodish, MD, FACS, Bryan A. Ehlert, MD. *East Carolina University, Greenville, NC*

Open Inferior Pancreatic Artery Aneurysm Resection

Aditya Safaya, MD, Matthew Bronstein, MD, Sateesh Babu, MD, FACS, Gregory Veillette, MD, FACS, Igor Laskowski, MD, FACS, *Westchester Medical Center, New York Medical College, Valhalla, NY*

"Inside-Out" Central Venous Access Technique for Patients with Chronic Venous Occlusion

Joseph S. Tingen, MD, Christopher G. Carsten, MD, FACS. *Greenville Health System, Greenville, SC*

Left Femoral to Anterior Tibial Arterial Bypass with Composite Vein Graft Following Failed Femoral-Popliteal Insitu Bypass

Kaitlyn M. Rountree, DO, Sachinder S. Hans, MD, FACS. *Henry Ford Health System, Clinton Township, MI*

Open Abdominal Aortic Aneurysm Repair in a Patient with Celiac Artery Occlusive Disease and Large Inferior Mesenteric Artery (IMA)

Mary M. Lee, DO, Sachinder S. Hans, MD, FACS. *Henry Ford Macomb Hospital, Clinton Township, MI*

Axillary Artery Repair Following Blunt Trauma-Exposure and Repair

Aoife Kiernan, MRCS. *Royal College of Surgeons in Ireland, Dublin, Ireland*

Surgical Resection of Extra-Skeletal Osteosarcoma Involving the Aorta and Cava

Tam T. Huynh, MD, FACS, Lauren T. Erasmus, Janice N. Cormier, MD, FACS. *University of Texas MD Anderson Cancer Center, Houston, TX*

VE306 | 12:45-2:15 pm

Colon and Rectal Surgery I

LOCATION: MW 3020-3022

TRACK(S): CRS

COORDINATOR AND PRESIDING OFFICER(S):

Imran Hassan, MBBS, FACS, *Cedar Rapids, IA*, and Sean J. Langenfeld, MD, FACS, *Omaha, NE*

Robotic Total Abdominal Colectomy with Transanal Extraction and Intracorporeal Anastomosis

James D. Roy, MD, John D. Hunter III, MD, Paul F. Rider, MD, FACS, FASCRS, Leander Grimm, MD, FACS, FASCRS. *University of South Alabama, Mobile, AL*

Removal of a Large Rectal Lesion with Endoscopic Submucosal Dissection Using a New Endoluminal Platform

Ipek Sapci, MD, Emre Gorgun, MD, FACS, FASCRS. *Cleveland Clinic, Cleveland, OH*

Surgical Management of an Ileal Pouch Anal Anastomosis (IPAA) Volvulus

Joachim Geers, MD, Gabriele Bis lenghi, MD, André D'Hoore, MD, PhD, Albert Wolthuis, MD, PhD, FASCRS, FACS. *University Hospitals Leuven, Leuven, Belgium*

Robotic Posterior Exenteration and Partial Vaginectomy with Bilateral Transverse Gracilis Flap Vaginal

Reconstruction for Locally Advanced Rectal Cancer
Hideo Takahashi, MD, Peter Frederick, MD, Robert F. Lohman, MD, FACS, Steven J. Nurkin, MD, FACS. *Roswell Park Comprehensive Cancer Center, Buffalo, NY*

Laparoscopic Repair of Colonoscopic Perforation of the Rectosigmoid

Alan A. Saber, MBBCh, FACS, Arpit Patel, MD, Adam Kopelan, MD, FACS. *Newark Beth Israel Medical Center, Newark, NJ*

Can We Eliminate Resectional Surgery for Benign Polyps? An Endoscopic Platform for Gastrointestinal (GI) Surgeons

Talal Alzghari, MD, Yohei Kono, MD, PHD, Kota Momose, MD, PhD, Kelly A. Garrett, MD, FACS. *Weill Cornell Medicine/NewYork-Presbyterian Hospital, New York, NY*

Right-Extended Colectomy to Duodenocephalic Pancreatectomy in Colon Carcinoma with Duodeno-Colic Fistulae

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

Left Transverse Colon Carcinoma in Ulcerative Colitis-Laparoscopic Total Colectomy with Complete Mesocolic Excision

Hermann Kessler, MD, PhD, FACS, FASCRS. *Cleveland Clinic, Cleveland, OH*

VE307 | 12:45-4:00 pm
Surgical Cases in Trauma

LOCATION: MS 306-308

TRACK(S): TRA

COORDINATOR AND PRESIDING OFFICER(S):

Christopher J. Dente, MD, FACS, *Atlanta, GA*

Exposure of the Vertebral Artery

Morgan Schellenberg, MD, MHS, Elizabeth Benjamin, MD, PhD, FACS, Demetrios Demetriades, MD, FACS. *LAC+USC Medical Center, Los Angeles, CA*

Gunshot Wound to the Left Flank: Laparoscopic Exploration and Retrieval of a Bullet

Ibrahim Taha, MD, CABS, MRCS, Husham Abdelrahman, MD, CABS, FRCSI, Sandro Rizoli, MD, PhD, FRCSC, FACS, Hassan Al-Thani, MD, FACS, MBA, MBBCh, CABS, FRCSI/C. *Hamad Medical Corporation, Doha, Qatar*

Post Angioembolization Major Hepatic Necrosis (MHN): Is It a Point of No Return?

Alice Gori, MS, Roberta Iadarola, MD, Arianna Birindelli, MD, Emanuele Chisari, MS, Carlo Coniglio, MD, Michael Cripps, MD, FACS, Gregorio Tugnoli, MD, Salomone Di Saverio, MD, FACS. *Azienda Unità Sanitaria Locale Bologna-Ospedale Maggiore, Bologna, Italy*

Laparoscopic Treatment of Traumatic Ileocolic Artery Bleeding

Aaron Hayson, MD, Alexander Ramirez, MD, FACS. *Florida State University, Tallahassee, FL*

A Combination of the Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) and Media Sternotomy for a Hemodynamically Unstable Patient with Gun Shot Wounds to the Thorax

Edison F. Angamarca, MD. *Hospital Universitario Del Valle "Evaristo García", Cali, Colombia*

Continuous Multilevel Intercostal Nerve Block to Minimize Narcotic Use When Managing Chest Wall Injury

Richard A. Sidwell, MD, FACS, Carlos A. Pelaez, MD, FACS, Sarah K. Spilman, MA. *Iowa Methodist Medical Center, Des Moines, IA*

Laparoscopic Treatment of Traumatic Duodenal Perforation

Aaron Hayson, MD, Alexander Ramirez, MD, FACS. *Florida State University/Tallahassee Memorial Hospital, Tallahassee, FL*

Laparoscopic Management of Abdominal Gunshot

Alan A. Saber, MBBCh, FACS. *Newark Beth Israel Medical Center, Newark, NJ*

The Spleen in a Distal Pancreatectomy after Trauma: Take It or Leave It

Juan J. Meléndez, MD. *Fundación Valle de lili, Cali, Colombia*

Video-Assisted Approach for Retained Bullet in the Heart

Carlos Muñoz, MD, Jairo Gonzalez, MD. *Universidad del Valle, Cali, Colombia*

Laparoscopic Repair of Traumatic Right Diaphragmatic Hernia Secondary to a Blunt Trauma

Jeammy A. P. Perez, MD, Adriano Zuardi Ushinohama, MD, Roberto Rasslan, MD, FACS, Francisco de Sales Collet e Silva, MD, FACS, Jones Pessoa dos Santos, Jr., MD, Marcia H. Yamazumi, MD, Marcelo C. Rocha, MD, Edivaldo M. Utiyama, MD, FACS. *University of São Paulo, São Paulo, Brazil*

Video-Assisted Repair of Cardiac Herniation in a Blunt Trauma Case

Danila Gomes, MD, Marcelo C. Rocha, MD, Adriano R. Pflug, MD, FACS, Pedro H. Ferreira Alves, MD, Fernando F. Novo, MD, Celso O. Bernini, MD, Francisco D. S. Collet E Silva, MD, FACS, Edivaldo M. Utiyama, MD, FACS. *Universidade de São Paulo, São Paulo, Brazil*

VE308 | 2:30-5:45 pm
Hepatobiliary Surgery II

LOCATION: MS 151

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Lee M. Morris, MD, FACS, *Houston, TX*, and Pascal R. Fuchs-huber, MD, PhD, FACS, *Moraga, CA*

Robotic Left Hepatectomy and Roux-en-Y Hepaticojejunostomy after Bile Duct Injury

Marcel Autran C. Machado, MD, PhD, FACS, Rodrigo Surjan, MD, Fabio Makdissi, MD, Andre Ardengh, MS. *Nove de Julho Hospital, São Paulo, Brazil*

Full Laparoscopic Left Hepatectomy for Intrahepatic Cholangiocarcinoma Using the Glissonian Approach

Go Wakabayashi, MD, FACS, Giammauro Berardi, MD. *Ageo Central General Hospital, Tokyo, Japan*

Hybrid-Associating Liver Partition and Portal Vein Ligation for Staged Hepatectomy (ALPPS) followed by Ante Situm with Cardiopulmonary Bypass

Karl J. Oldhafer, MD, PhD, Kim C. Wagner, MD, Alexandros Kantas, MD, Michael Schmoeckel, MD, Mohammad H. Fard-Aghaie, MD. *Asklepios Hospital Barmbek, Hamburg, Germany*

Indications for Extended Resection of the Liver and Portal Vein-Hepatic Artery Reconstruction

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

Thrombectomy First: New Strategy of Surgical Treatment for Portal Vein Tumor Thrombus (PVT)

Shuyou Peng, FACS(H), Jiang Tao Li, MD, FACS. *Second Affiliated Hospital of Zhejiang University School of Medicine, Hangzhou, China*

Robotic Left Hepatectomy for Huge Hepatocellular Carcinoma (HCC)

Paolo Magistri, MD, Giacomo Assirati, MD, Tiziana Olivieri, MD, Barbara Catellani, MD, Cristiano Guidetti, MD, Valentina Serra, MD, Giuseppe Tarantino, MD, Roberto Ballarin, MD, PhD, Gian Piero Guerrini, MD, PhD, Fabrizio Di Benedetto, MD, PhD, FACS. *University of Modena Reggio Emilia, Modena, Italy*

Full Laparoscopic Anatomical Segment 8 Resection for Hepatocellular Carcinoma Using the Glissonian Approach with Indocyanine Green Dye Fluorescence

Giammauro Berardi, MD, Go Wakabayashi, MD, FACS. *Ageo Central General Hospital, Tokyo, Japan*

Completely Laparoscopic Associating Liver Partition with Portal Vein Ligation for Staged Hepatectomy (ALPPS) Using Round-the-Liver Ligation (Cai's ALPPS)

Xiujun Cai, MD, FACS, FRCS, ELSA, Bin Zhang, MD, Mingyu Chen, MD, Yifan Wang, MBBS, PhD, FACS. *Sir Run Run Shaw Hospital, Hangzhou, China*

Full Laparoscopic Right Anterior Sectionectomy Using the Glissonian Approach and Indocyanine Green Dye Negative Staining

Kazuharu Igarashi, MD, Giammauro Berardi, MD, Go Wakabayashi, MD, FACS. *Ageo Central General Hospital, Tokyo, Japan*

Right Trisegmentectomy in Embryonic Sarcoma of the Liver

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

Treatment of the Biliary Lithiasis after Liver Transplant

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

Usefulness of Three-Dimensional Computed Tomography Simulation for Safe Laparoscopic Liver Anatomical Resection

Koji Kitamura, MD, PhD. *Kobe City Medical Center General Hospital, Kobe, HI*

Full Robotic Left Hepatectomy with Regional Lymphadenectomy Using the da Vinci Xi Platform

Matteo Palmeri, MD, Simone Guadagni, MD, Niccolò Furbetta, MD, Gregorio Di Franco, MD, Desirée Gianardi, MD, Matteo Bianchini, MD, Gianni Stefanini, MD, Giulio Di Candio, MD, Franco Mosca, MD, FACS, Luca Morelli, MD, FACS, FASCRS. *University of Pisa, Pisa, Italy*

Video-Laparoscopic Removal of Metal Biliary Prosthesis Four Years after Implant

Carlos Manoel P. P. Gomes, MD, Beatriz C. M. Rodrigues, MD, André Ricardo C. dos Santos, MD, Felipe C. Victor, MD, FACS. *Hospital Universitário Pedro Ernesto (HUPE-UERJ), Rio de Janeiro, Brazil*

Robotic Central Hepatectomy

Paolo Magistri, MD, Giacomo Assirati, MD, Tiziana Olivieri, MD, Barbara Catellani, MD, Cristiano Guidetti, MD, Valentina Serra, MD, Giuseppe Tarantino, MD, Roberto Ballarin, MD, PhD, Gian Piero Guerrini, MD, PhD, Fabrizio Di Benedetto, MD, PhD, FACS. *University of Modena Reggio Emilia, Modena, Italy*

VE309 | 4:15-5:45 pm

General Surgery IV—Oncology

LOCATION: MS 152

TRACK(S): ONC, GEN

COORDINATOR AND PRESIDING OFFICER(S):

Sean J. Langenfeld, MD, FACS, *Omaha, NE*, and Paul F. Rider, MD, FACS, *Mobile, AL*

Esophago-Pharyngo-Laryngectomy with Left Isoperistaltic Coloplasty in Esophago-Larynx Cancer

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

Complete Mesogastric Excision Facilitates D2 Lymphadenectomy during Robotic Total Gastrectomy for Advanced Gastric Cancer: First Report in the U.S.

Camille L. Stewart, MD, Woo Jin Hyung, MD, Yanghee Woo, MD, FACS. *City of Hope, Duarte, CA*

Left-sided Laparoscopic Retroperitoneal Lymph-Node Dissection for a Non-Seminomatous Testicular Tumor

Laura Bernardi, MD, Tommaso Cipolat Mis, MD, Marina Troian, MD, Nicolò de Manzini, MD, FRCS. *Azienda Sanitaria Universitaria Integrata di Trieste, Trieste, Italy*

How Do I Do It: Minimally Invasive Ivor-Lewis Esophagectomy

Syed Abbas, MD, Ziad T. Awad, MD, FACS, Ruchir Puri, MBBS, FACS, Brian Dalton, MD. *University of Florida, Jacksonville, FL*

Total Gastrectomy with D2 Lymph Node Dissection

Jiping Wang, MD, PhD, FACS, *Brigham and Women's Hospital, Boston, MA*

Left Gonadal Vein Leiomyosarcoma

Tamara N. Almada, MD, MAAC, FACS, Javier L. Rossi, MD, MAAC, FACS, Andres Garelli, MD, MAAC. *Hospital Militar Central, Buenos Aires, Argentina*

High-Grade Undifferentiated Soft-Tissue Sarcoma

Maria V. Chiacchio, MD, Tamara N. Almada, MD, Yanina V. Ruiz Diaz, MD, Eliana G. Cilla, MD. *Hospital Militar Central, Buenos Aires, Argentina*

Thursday, October 31

VE401 | 8:00-9:30 am

Colon and Rectal Surgery II

LOCATION: MS 306-308

TRACK(S): CRS

COORDINATOR AND PRESIDING OFFICER(S):

Patricia Sylla, MD, FACS, *New York, NY*, and Mark H. Whiteford, MD, FACS, *Portland, OR*

Robotic Right Colectomy with Complete Mesocolic Excision and Intracorporeal Anastomosis: Bottom-to-Up Suprapubic Approach

Giampaolo Formisano, MD, Sofia Esposito, MD, Giuseppe Giuliani, MD, Adelona Salaj, MD, Lucia Salvischiani, MD, Paolo P. Bianchi, MD. *Misericordia Hospital, Grosseto, Italy*

Gracilis Muscle Flap to Treat Complex Rectovaginal Fistula

Cesar A. B. Sousa, MD, Giovanna Dasilva, MD, Steven D. Wexner, MD, PhD(Hon), FACS, FRCSEng, FRCSEd, FRCSEd(Hon), FRCSEdGlasg(Hon). *Cleveland Clinic Florida, Weston, FL*

Totally Transanal Proctosigmoidectomy: Single-Port Robotic Transanal Total Mesorectal Excision (taTME)/Transabdominal-Transanal (TATA)

John H. Marks, MD, FACS, Jonathan Josse, MD, Brigitte Anderson, Oleg Orlov, MD, Henry P. Schoonyoung, MD, FACS. *Lankenau Medical Center, Wynnewood, PA*

Laparoscopic Vertical Reduction Rectoplasty, Sigmoid Resection and Sutured Rectopexy for Idiopathic Megarectum

Marie Vannijvel, MD, Albert Wolthuis, MD, PhD, FACS, *University Hospitals Leuven, Leuven, Belgium*

Postoperative Outcomes of Rectosigmoid and Rectum Surgery for Deep Infiltrating Endometriosis: Clinical Results in a Group of 40 Patients

Maciej Pliszkiwicz, MD, Bogumił Paweł Siekierski, MD, PhD, Marek Stańczyk, MD, PhD. *Szpital Medcover, Warsaw, Poland*

Laparoscopic Drainage of Diverticular Abscess in Patient with Previous Roux-en-Y Gastric Bypass

Alan A. Saber, MBBCh, FACS, Jessica Cutler, MD, Adam M. Kopelan, MD, FACS. *Newark Beth Israel Medical Center, Newark, NJ*

The Usefulness of S- and H- Pouch Configurations in Ileal Pouch Salvage Surgery

H. Tarik Kirat, MD, FACS, Eren Esen, MD, David M. Schwartzberg, MD, FACS, Feza H. Remzi, MD, FACS. *NYU Langone Health, New York, NY*

Single-Port Robotic Right Colectomy

John H. Marks, MD, FACS, Jonathan Josse, MD, Brigitte Anderson, Henry P. Schoonyoung, MD, FACS. *Lankenau Medical Center, Wynnewood, PA*

VE402 | 9:45-11:15 am

Pancreas Surgery II

LOCATION: MS 152

TRACK(S): GEN

COORDINATOR AND PRESIDING OFFICER(S):

Sharona B. Ross, MD, FACS, *Tampa, FL*

Laparoscopic Pancreas Preserving Duodenectomy

Michael J. Jacobs, MD, FACS, Muhammad U. Bashir, MBBS, Gabriel B. Corvetto, MD. *Ascension Providence, Southfield, MI*

Robot-Assisted Distal Splenopancreatectomy of a Bulky Pancreatic Mucinous Cyst with Previous Splenic Artery Embolization

Gabriela M. Aguiluz, MD, Francesco M. Bianco, MD, Valentina Valle, MD, Alberto Mangano, MD, Pier C. Giulianotti, MD, FACS. *University of Illinois at Chicago, Chicago, IL*

Challenging Venus Anatomy of the Uncinate Process during a Whipple: Is the Robotic Platform Making the Dissection Easier?

Valentina Valle, MD, Alberto Mangano, MD, Roberto E. Bustos, MD, Gabriela M. Aguiluz, MD, Eduardo Fernandes, MD, PhD, FRCS, Pier Giulianotti, MD, FACS. *University of Illinois, Chicago, IL*

Laparoscopic Distal Pancreatectomy with Splenic Preservation

Henri Schotte, MD, Silviu-Tiberiu Makkai-Popa, MD, PhD, Martine Goergen, MD, Juan S. Azagra, MD. *Centre Hospitalier de Luxembourg, Luxembourg, Germany*

Laparoscopic Lateral Pancreaticojejunostomy

Alexandra Rueda De Leon, MD, Ismael Dominguez, MD. *Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubiran, Mexico City, Mexico*

Treatment of Cystadenoma of the Pancreas with Splenic Artery Reconstruction and Spleen Preservation

Enrique Moreno-Gonzalez, MD, FACS(Hon). *Doce de Octubre University Hospital, Madrid, Spain*

Which Pancreaticojejunostomy after Laparoscopic Pancreaticoduodenectomy? A Spectrum of Technical Variants Based on the Size of the Wirsung Duct

Damiano Caputo, MD, FACS, Chiara Cascone, MD, Mariacristina Cartillone, MD, Vincenzo La Vaccara, MD, PhD, Lorenza Caggiati, MD, Tommaso Farolfi, MD, Alessandro Coppola, MD, PhD, Roberto Coppola, MD, FACS. *University Campus Bio-Medico di Roma, Rome, Italy*

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Developed by the American College of Surgeons Division of Education, the mission of the Academy of Master Surgeon Educators™ is to play a leadership role in advancing the science and practice of education across all surgical specialties, promoting the highest achievements in the lifetimes of surgeons.

Approved by the Board of Regents in 2014, the Academy has been charged to identify and recruit innovators and thought leaders committed to education and to translate that innovation into action. The Academy's inaugural class was inducted in October 2018, and the next induction ceremony will be October 4, 2019. Induction of new Members, Associate Members, and Affiliate Members will be held annually.

The Steering Committee helped to develop the standards and criteria for induction into the Academy. The Committee is responsible for providing overall direction for the program and guiding the scope of activities of the Academy.

The Academy's goals include:

- Defining megatrends in surgical education and training
- Steering advances in the field
- Fostering innovation and collaboration
- Providing mentorship
- Underscoring the critical importance of surgical education in the changing milieu of health care

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The ACS Division of Education plays a pivotal national leadership role in surgical education, which is exemplified by the new Certificate in Applied Surgical Education Leadership (CASEL) initiative. The mission of CASEL is to promote excellence in surgical education leaders, and

improve the quality of surgical training and, ultimately, patient care.

CASEL offers a unique, year-long educational experience, with an emphasis on applied surgical education and leadership. Participants will implement a relevant medical education project at their home institutions, furthering educational innovation and quality patient care.

The goals of CASEL include:

- Provide participants with knowledge and skills for leadership roles in surgical education at a level that fosters the highest educational standards.
- Improve surgical education at a departmental, institutional and or national level by promoting innovation and change.
- Positively impact quality and patient safety through lifelong surgical education and training.

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The Accreditation Review Committee for the American College of Surgeons Program of Accredited Education Institutes consists of Fellows of the College who have expertise in various aspects of skills education and training, in addition to directing their own centers. The members of the committee are appointed by the College and will serve a term of three years, with an option for reappointment for a second three-year term. The committee meets twice a year to make accreditation decisions. In addition, as needed, the Committee will evaluate the effectiveness of the overall ACS Program for the Accreditation of Education Institutes. The purpose of the Accreditation Review Committee is to review the data and information submitted in the application and gathered from the site surveyors. The Accreditation Review Committee will make the overall accreditation decision, determining whether an institution that submits an application meets the criteria for accreditation as a Comprehensive or Focused Institute.

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STAFF:

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*
 Patrice Gabler Blair, MPH, *Chicago, IL*
 Julia Dudek, MPH, *Chicago, IL*
 Chrysa Cullather, MS, *Chicago, IL*

Clinical Research Program Cancer Care Delivery Research Committee

The mission of the American College of Surgeons Clinical Research Program Cancer Care Delivery Research Committee is to improve cancer care outcomes through high-quality health services research that leverages the collaboration and infrastructure of the Alliance for Clinical Trials in Oncology, National Cancer Institute Community Oncology Research Program, and other partners.

CO-CHAIRS:

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 George J. Chang, MD, FACS, *Houston, TX*

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 Yi-Qian Nancy You, MD, FACS, *Houston, TX*

STAFF:

Amanda B. Francescatti, MS, *Chicago, IL*
 Anne K. McCarthy, *Chicago, IL*

Clinical Research Program Cancer Care Standards Development Committee

The mission of the American College of Surgeons Clinical Research Program Cancer Care Standards Development Committee is to develop and implement evidence-based practices in surgical oncology.

CHAIR: Matthew H. G. Katz, MD, FACS, *Houston, TX*

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 Amanda B. Francescatti, MS, *Chicago, IL*
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Clinical Research Program Dissemination and Implementation Committee

The mission of the American College of Surgeons Clinical Research Program Dissemination and Implementation Committee is to disseminate information on clinical trial findings in a timely fashion and facilitate implementation of cancer care best practices in the surgical oncology community.

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VICE-CHAIR: Diana Dickson-Witmer, MD, FACS, *Newark, DE*

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STAFF:

Amanda B. Francescatti, MS, *Chicago, IL*
 Anne K. McCarthy, *Chicago, IL*

Clinical Research Program Education Committee

The mission of the American College of Surgeons Clinical Research Program Education Committee is to increase knowledge and awareness of new oncologic surgical evidence and practice standards and reduce the time from trials reporting to practice implementation.

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VICE-CHAIR: Christina L. Roland, MD, FACS, *Houston, TX*

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Yi-Qian Nancy You, MD, FACS, *Houston, TX*

STAFF:

Amanda B. Francescatti, MS, *Chicago, IL*
Anne K. McCarthy, *Chicago, IL*

Commission on Cancer

Established by the American College of Surgeons in 1922, the multidisciplinary Commission on Cancer (CoC) establishes standards to ensure quality, multidisciplinary, and comprehensive cancer care delivery in health care settings; conducts surveys in health care settings to assess compliance with those standards; collects standardized data from CoC-accredited health care settings to measure cancer care quality; uses data to monitor treatment patterns and outcomes and enhance cancer control and clinical surveillance activities; and develops effective educational interventions to improve cancer prevention, early detection, cancer care delivery, and outcomes in health care settings. Commission membership comprises 102 individuals who are either surgeons representing the College or member organization representatives from the 59 national, professional organizations affiliated with the commission. The activities of the Commission are coordinated through the Accreditation, Advocacy, Cancer Liaison, Education, Executive, Member Organization Steering, Nominating, and Quality Integration Committees.

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 Katharine Yao, MD, FACS, *Evanston, IL*

STAFF:

Heidi Nelson, MD, FACS, *Chicago, IL*
 Connie Bura, *Chicago, IL*
 Judy Janes, *Chicago, IL*

Comprehensive Communications Committee

The Comprehensive Communications Committee (CCC) identifies, crafts, and coordinates the key messages of the College for dissemination to its various audiences, including its members, prospective members, the public, and policymakers. To achieve this goal, the committee is composed of members who serve on other selected ACS committees and senior staff in selected program areas that represent the organization's pillars—Advocacy, Quality, Education, and Member Services—to ensure that our messages will resonate with our diverse audiences.

CHAIR: Marshall Z. Schwartz, MD, FACS, *Bryn Mawr, PA*
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 Christian Shalgian, *Washington, DC*
 Ronald M. Stewart, MD, FACS, *Helotes, TX*
 Patricia L. Turner, MD, FACS, *Chicago, IL*
 David J. Welsh, MD, FACS, MD, MBA, FACS, *Batesville, IN*

Committee on Diversity Issues

The mission of the Committee on Diversity Issues is to study the educational and professional needs of underrepresented surgeons and surgical trainees and the impact that its work may have on the elimination of health care disparities among diverse population groups.

CHAIR: Amelia C. Grover, MD, FACS, *Richmond, VA*
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STAFF:

Patricia L. Turner, MD, FACS, *Chicago, IL*
 Bradley Elliott, CAE, *Chicago, IL*
 Carol Christian, *Chicago, IL*

Committee on Education

The Committee on Education provides the overall direction, guidance, and coordination for the spectrum of educational activities of the ACS and comprehensively addresses the needs of various learners, including practicing surgeons, surgery residents, fellows, and medical students, at the various stages in their professional development and from across the surgical disciplines.

CHAIR: Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*

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Susan Steinemann, MD, FACS, *Honolulu, HI*
John A. Weigelt, MD, FACS, *Lead, SD*

STAFF:

Patrice Gabler Blair, MPH, *Chicago, IL*
Linda K. Lupi, MBA, *Chicago, IL*

Committee on Ethics

The Committee on Ethics provides the Board of Regents with a means for deliberation and preparation of ethical issues that the College may address.

CHAIR: Henri R. Ford, MD, MHA, FACS, FAAP, FRCSEng(Hon), *Miami, FL*

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J. David Richardson, MD, FACS, *Louisville, KY*
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Eric A. Singer, MD, FACS, MA, *New Brunswick, NJ*
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STAFF:

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*
Patrice Gabler Blair, MPH, *Chicago, IL*

General Surgery Coding and Reimbursement Committee

The General Surgery Coding and Reimbursement Committee (GSCRC) represents and acts in the interests of general surgeons and their clinical practices regarding issues that impact coding, billing, and reimbursement for surgical care. In addition to focusing on activities of the bodies that are responsible for determining payment rates for health care services, the GSCRC also handles a variety of other payment policy issues including those related to the Medicare physician fee schedule and other regulations, private payor issues, administrative burden reduction, and practice management topics.

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Linda M. Barney, MD, FACS, *Dayton, OH*

VICE-CHAIR:

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Jason P. Wilson, MD, FACS, *Clearwater, FL*
Robert M. Zwolak, MD, FACS, *Lebanon, NH*

STAFF:

Haley Bowden, *Washington, DC*
Lauren Foe, *Washington, DC*
Vinita Ollapally, *Washington, DC*

ACS Committee on Health Care Disparities

The Committee on Health Care Disparities takes the position that there is an irrefutable association between the incidence of and outcomes from a host of surgical diseases and the many barriers (real and artificial) to access to care.

CHAIR: L.D. Britt, MD, MPH, DSc(Hon), FACS, FCCM, FRCSEng(Hon), FRCSEd(Hon), FWACS(Hon), FRCSI(Hon), FCS(SA)(Hon), FRCSEng(Hon), *Norfolk, VA*

VICE-CHAIR: Adil H. Haider, MBBS, FACS, *Karachi City, Pakistan*

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Gary L. Timmerman, MD, FACS, *Sioux Falls, SD*
Thomas F. Tracy, Jr., MD, FACS, *Hershey, PA*

STAFF:

Lynese Kelley, *Chicago, IL*

Health Information Technology Committee

The mission of the Health Information Technology Committee is to assist in the definition and implementation of information technology to improve all activities of the American College of Surgeons (ACS). Furthermore, the committee will serve as a resource to advise the College on local and national health care information technology policies and legislation.

The charge of the committee is to guide the College in:

- Methods to propagate and disseminate information for education of the Fellowship
- Evaluation and preparation of interactive technologies for all aspects of Fellowship management and education
- The preparation and maintenance of policies necessary to coordinate and insure compatibility of information technology within the College
- Participation in national committees and leadership organizations that direct the application of health care information technology and direct health care information technology policy
- A gradual but continuous migration of all forms of communication within the College, between the College and its Fellowship, and among the Fellowship, from conventional methods to methods utilizing the latest mainstream technology

CHAIR: Heather L. Evans, MD, FACS, *Charleston, SC*

VICE-CHAIR: Brian P. Jacob, MD, FACS, *New York, NY*

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STAFF:

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Health Policy Advisory Council

The Health Policy Advisory Council (HPAC) is the grassroots advocacy committee for the College and is based on the theory that "all politics is local." The goal of the College's nationwide grassroots advocacy program is to communicate, educate, and provide the necessary tools and resources to build a strong network of surgeon advocates.

HPAC members are a diverse group, consisting of ACS Regents, Governors, young surgeons and residents, and other College members with expressed interest or expertise in health care policy. Special efforts are made to ensure that all specialties have representation within the HPAC.

CHAIR:

Ross F. Goldberg, MD, FACS, *Scottsdale, AZ*

STAFF:

Patrick V. Bailey, MD, FACS, *Washington, DC*
 Katie Oehmen, *Washington, DC*

Health Policy and Advocacy Group

The purpose of the Health Policy and Advocacy Group is to identify public policy issues and concerns affecting surgeons and our patients; prioritize these issues and concerns; identify those that the ACS should focus its attention and resources on, and recommend these priorities to the Board of Regents; develop action plans for addressing these issues, including recommending positions and initiatives the College should adopt; expand and monitor mechanisms by which the ACS makes surgeons, our patients, and the public aware of our health policies and agendas; and develop and maintain mechanisms by which legislative and regulatory issues can be addressed in a timely and effective manner.

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 Frank G. Opelka, MD, FACS, *Washington, DC*
 Christian Shalgian, *Washington, DC*
 Patricia L. Turner, MD, FACS, *Chicago, IL*

International Relations Committee

The purpose of the International Relations Committee is to develop relationships and partnerships between the College, international surgeons, and international surgical and other health care organizations to address issues of surgical practice, education, research, advocacy, and leadership with the aim of achieving and safeguarding appropriately high standards of clinical care, access, safety, and quality improvement for surgery worldwide.

CHAIR: Richard D. Schulick, MD, MBA, FACS, *Aurora, CO*

VICE-CHAIR: Georgios Tsoulfas, MD, PhD, FACS, *Thessaloniki, Greece*

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 Katsuhiko Yanaga, MD, PhD, FACS, *Tokyo, Japan*
 Gazi B. Zibari, MD, FACS, *Shreveport, LA*

STAFF:

Kate Early, *Chicago, IL*

Patricia L. Turner, MD, FACS, *Chicago, IL*

Committee on Interprofessional Education and Practice

The Committee on Interprofessional Education and Practice comprehensively addresses the educational needs of interprofessional surgical team members and educates surgeons about their roles; supports and assists team members involved in surgical care; participates in defining the duties of interprofessional surgical team members; and assists with the process of accreditation of their respective educational programs.

CHAIR:

Scott F. Gallagher, MD, FACS, *Raleigh, NC*

VICE-CHAIR:

Richard E. Royal, MD, FACS, *Houston, TX*

MEMBERS:

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 Linda K. Barry, MD, FACS, *Farmington, CT*
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STAFF:

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*
 Patrice Gabler Blair, MPH, *Chicago, IL*
 Kim Echert, *Chicago, IL*
 Katrina McKenzie, *Chicago, IL*

Legislative Committee

The Legislative Committee is responsible for identifying, evaluating, and recommending positions on federal and state legislation and policy issues that come before federal and state legislative bodies with the potential to affect the needs, interests, and roles of surgeons and surgical patients.

CHAIR: James W. Gigantelli, MD, FACS, *Huntington, WV*

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 John M. Daly, MD, FACS, *Philadelphia, PA*
 Roan Glocker, MD, FACS, *Rochester, NY*
 Ross F. Goldberg, MD, FACS, *Scottsdale, AZ*
 Mark Kashtan, MD, *Boston, MA*
 Max R. Langham, Jr., MD, FACS, *Memphis, TN*
 Heather G. MacNew, MD, FACS, *Savannah, GA*
 Jacob Moalem, MD, FACS, *Rochester, NY*
 John S. O'Shea, MD, FACS, *Washington, DC*
 Janet E. (Betsy) Tuttle-Newhall, MD, FACS, *Greenville, NC*
 Anthony J. Vine, MD, FACS, *New York, NY*

STAFF:

Kristin McDonald, *Washington, DC*

Committee on Medical Student Education

The Committee on Medical Student Education's mission is to comprehensively address the educational needs in surgery for medical students during all four years of medical school, to support educational efforts that facilitate the transition from medical school to residency training, and to facilitate the involvement of medical students in the educational activities of the ACS.

CHAIR:

Susan Steinemann, MD, FACS, *Honolulu, HI*

VICE-CHAIR:

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 Jacob A. Quick, MD, FACS, *Columbia, MO*
 Paul J. Schenarts, MD, FACS, *Omaha, NE*
 Rebecca L. Williams, MD, PhD, *Albuquerque, NM*

STAFF:

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*
 Patrice Gabler Blair, MPH, *Chicago, IL*
 Kim Echert, *Chicago, IL*
 Katrina McKenzie, *Chicago, IL*

Committee for Metabolic and Bariatric Surgery

The American College of Surgeons (ACS) and the American Society for Metabolic and Bariatric Surgery (ASMBS) combined their respective metabolic and bariatric surgery accreditation programs into a single unified program to achieve one national accreditation standard for metabolic and bariatric surgery centers, the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP). MBSAQIP works to advance safe, high-quality care for bariatric surgical patients through the accreditation of metabolic and bariatric surgical centers. A metabolic and bariatric surgical center achieves accreditation following a rigorous review process during which it proves that it can maintain certain physical resources, human resources, and standards of practice. All accredited centers report their outcomes to the MBSAQIP data registry. The Committee for Metabolic and Bariatric Surgery (CMBS) was established to provide support, guidance, and clinical expertise to the MBSAQIP.

CHAIR:

John Morton, MD, MPH, FACS, *New Haven, CT*

MEMBERS:

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 Eric J. DeMaria, MD, FACS, *Greenville, NC*
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 Anthony T. Petrick, MD, FACS, *Danville, PA*
 David A. Provost, Jr., MD, FACS, *Temple, TX*

MBSAQIP Data & Quality Subcommittee

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MBSAQIP Standards & Verification Subcommittee

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 David A. Provost, Jr., MD, FACS, *Temple, TX*

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 Sivamainthan Vithianathan, MD, FACS, *Providence, RI*
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Owen H. Wangenstein Scientific Forum Committee

The Scientific Forum Committee was instituted by the Board of Regents of the American College of Surgeons to provide a dedicated place within the Clinical Congress where investigators present the results of their original clinical and experimental research. The Scientific Forum provides a venue for surgeon-scientists to exchange novel findings and fosters dialogue through oral and poster presentations. The environment is strongly supportive of surgical trainees' involvement with dedicated awards for excellence in research for this group.

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VICE-CHAIR: Paula M. Termuhlen, MD, FACS, *Duluth, MN*

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 Elizabeth C. Wick, MD, FACS, *San Francisco, CA*
 Sandra L. Wong, MD, MS, FACS, *Lebanon, NH*
 Brian S. Zuckerbraun, MD, FACS, *Pittsburgh, PA*

STAFF:

Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*
 Richard V. King, PhD, *Chicago, IL*
 M. Jane Burns, MJHL, *Chicago, IL*
 Patrick Byrnes, *Chicago, IL*

Patient Education Committee

The Patient Education Committee works to improve the quality of patient care and promote patient safety through educational efforts that recognize patients as integral members of the surgical team. The committee aims to help patients and their significant others become thoroughly informed about their operation, provide evidence to guide them in their decisions, and empower them with the knowledge and skills necessary to participate in their surgical care and continued postoperative care upon discharge.

CO-CHAIRS:

John M. Daly, MD, FACS, FRCSI(Hon), FRCSG(Hon),
Philadelphia, PA
 Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, *Chicago, IL*

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 Melissa Vanover, MD, *Sacramento, CA*

STAFF:

Tarra G. Barot, PhD, *Chicago, IL*
 Patrice Gabler Blair, MPH, *Chicago, IL*
 Amanda Bruggeman, *Chicago, IL*
 Kathleen Heneghan, PhD, MSN, RN, FAACE, *Chicago, IL*
 Nancy Strand, RN, MPH, *Chicago, IL*

Committee on Perioperative Care

The Committee on Perioperative Care (CPC) serves as the primary resource to the College, the profession, the community, and the government on topics concerning perioperative care. The mission of the CPC is to develop, and present information and recommendations related to education, technology, standards of care, clinical and facilities management, and assessment of outcomes.

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VICE-CHAIR: David R. Urbach, MD, FACS, *Toronto, ON*

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CONSULTANT:

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STAFF:

Sameera Ali, MPH, *Chicago, IL*
 Jorge Hernandez, MS, *Chicago, IL*
 Clifford Y. Ko, MD, FACS, *Los Angeles, CA*

Resident and Associate Society (RAS-ACS)

The RAS-ACS serves to familiarize surgical residents and young surgeons with the ACS and its programs and the value of becoming a Fellow. The RAS-ACS provides opportunities for the opinions and concerns of residents and young surgeons to be heard by the ACS leadership. The RAS-ACS provides an avenue for participation in ACS affairs and promotes the development and use of leadership skills in organized surgery.

CHAIR: Rebecca Hoffman, MD, *St. Louis, MO*

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 Christopher F. McNicoll, MD, *Las Vegas, NV*

STAFF:

Alison F. Powers, *Chicago, IL*

Committee on Resident Education

The Committee on Resident Education comprehensively addresses the educational needs of surgical residents and Fellows from across the surgical disciplines and supports the educational efforts to facilitate the transition from medical school to residency training and from residency training into surgical practice.

CHAIR: Celia M. Divino, MD, FACS, *New York, NY*

VICE-CHAIR: Amy N. Hildreth, MD, FACS, *Winston-Salem, NC*

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YFA CHAPTER REPRESENTATIVE: Rebecca W. Schroll, MD, FACS, *New Orleans, LA*

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Patrice Gabler Blair, MPH, *Chicago, IL*

Kim Echert, *Chicago, IL*

Steffanye Hawbaker Mack, *Chicago, IL*

Scholarships Committee

The Scholarships Committee promotes and administers the ACS research scholarships, fellowships, and awards.

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VICE-CHAIR: Herbert Chen, MD, FACS, *Birmingham, AL*

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B.J. Hancock, MD, FACS, FRCS, *Winnipeg, MB*

Bellal Joseph, MD, FACS, *Tucson, AZ*

Melina R. Kibbe, MD, FACS FAHA, *Chapel Hill, NC*

Lisa A. Newman, MD, MPH, FACS, *New York, NY*

John A. Olson, Jr., MD, PhD, FACS, *Baltimore, MD*

Mayur B. Patel, MD, FACS, *Nashville, TN*

Deborah M. Stein, MD, FACS, *San Francisco, CA*

Wei Zhou, MD, FACS, *Tucson, AZ*

STAFF:

Kate Early, *Chicago, IL*

Surgical Research Committee

The Surgical Research Committee is concerned with, and represents the College in, matters that address the progress of academic surgery and the funding, content, and direction of surgical research as it pertains to improving the care of patients.

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VICE-CHAIR: Timothy R. Donahue, MD, FACS, *Los Angeles, CA*

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Edith Tzeng, MD, FACS, *Pittsburgh, PA*

Kasper S. Wang, MD, FACS, *Los Angeles, CA*

STAFF:

Sameera Ali, MPH, *Chicago, IL*

Jorge Hernandez, MS, *Chicago, IL*

Clifford Y. Ko, MD, FACS, *Los Angeles, CA*

Committee on Trauma

The mission of the Committee on Trauma is to develop and implement programs that support injury prevention and ensure optimal patient outcomes across the continuum of care. These programs incorporate advocacy, education, trauma center and trauma system resources, best practice creation, outcome assessment, and continuous quality improvement.

CHAIR:

Eileen Bulger, MD, FACS, *Seattle, WA*

VICE-CHAIR:

Patrick M. Reilly, MD, FACS, FCCP, *Philadelphia, PA*

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Michael Coburn, MD, FACS, *Houston, TX*

Christine Cocanour, MD, FACS, *Sacramento, CA*

Brian Eastridge, MD, FACS, *San Antonio, TX*

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Deborah Kuhls, MD, FACS, *Las Vegas, NV*

Daniel R. Margulies, MD, FACS, *Los Angeles, CA*

Saud Al Turki, MBBS, FACS, *Riyadh, Saudi Arabia*

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Julia R. Coleman, MD, MPH, *Aurora, CO*

YFA CHAPTER REPRESENTATIVE:

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CONSULTANTS:

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Robert Winchell, MD, FACS, *New York, NY*

LIAISONS:

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Laura Godat, MD, FACS, *San Diego, CA*

Erin Hall, MD, FACS, *University Park, MD*

D. Anderson Millar, MD, FACS, *Cincinnati, OH*

Bindi Naik-Mathuria, MD, FACS, *Houston, TX*

Kyle Remick, MD, FACS, *Clarksville, MD*

Brian Smith, MD, FACS, *Philadelphia, PA*

Regan Williams, MD, FACS, *Memphis, TN*

Brian Yorkgitis, DO, FACS, *Jacksonville, FL*

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Denis D. Bensard, MD, FACS, *Denver, CO*

David P. Blake, MD, FACS, *Hartford, CT*

David C. Borgstrom, MD, MBA, FACS, *Morgantown, WV*

Clay C. Burlew, MD, FACS, *Denver, CO*

Andre R. Campbell, MD, FACS, *San Francisco, CA*

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Joseph Cuschieri, MD, FACS, *Seattle, WA*

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Peter F. Ehrlich, MD, FACS, *Ann Arbor, MI*

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Glen A. Franklin, MD, FACS, *Louisville, KY*

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Mark L. Gestring, MD, FACS, *Pittsford, NY*

Michael P. Grant, MD, PhD, FACS, *Baltimore, MD*

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Rajan Gupta, MD, FACS, *New Brunswick, NJ*

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John P. Hunt III, MD, FACS, *New Orleans, LA*

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Amir A. Jahangir, MD, FACS, *Nashville, TN*

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The purpose of the Committee on Video-Based Education is to develop, across the surgical specialties, multimedia video-based education in order to educate surgeons and members of surgical teams to improve the care of the surgical patient, safeguard the standards of care in an optimal practice environment, as well as to educate the public regarding past, present, and future surgical topics.

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The mission of the Women in Surgery Committee is to enable women surgeons of all ages and practice types to develop their individual potential as professionals; promote an environment that fosters inclusion, respect, and success; develop, encourage, and advance women surgeons as leaders; and provide a forum and networking opportunities to enhance women's surgical career satisfaction.

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The Young Fellows Association serves as an inclusive organization for Young Fellows (45 years old and younger); provides opportunities for Young Fellows to be involved with College activities (four workgroups are available: Advocacy, Communications, Education, and Member Services); and presents an annual forum during the Clinical Congress so that Young Fellows have opportunities to network with each other, to share their concerns, and to meet with members of the College's leadership.

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Index of Program Participants

A			
Aaland, Mary O.	66, 69, 86	Adams-McGavin, Robert C.	134
Aarons, Cary B.	89, 177	Adamson, William T.	101
Aasen, Davis M.	132	Addison, Poppy	175, 206
Abadilla, Natasha	185, 190	Addo, Alex J.	115, 156, 171, 182, 186
Abadin, Shabirhusain	128	Adegboyega, Titilayo O.	63
Abahuje, Egide	44	Ademoyero, Oludamilola	201
Abate, Misker E.	117	Ademuyiwa, Adesoji	165
Abaunza Orjuela, Hernando	79	Adetayo, Oluwaseun A.	157
Abbas, Abbas	212	Adkins, Azure G.	182, 210
Abbas, Maher A.	60	Adrales, Gina L.	60, 61, 143, 147
Abbas, Mujahid	209	Adusumilli, Prasad	140, 158
Abbas, Syed	186, 220	Afifi, Ibrahim N.	215
Abbott, Daniel E.	138, 190	Aftab, Muhammad	111, 193
Abbott, Kenneth E.	158	Agaba, Emmanuel	154
Abcarian, Herand	39, 64	Agans, Robert P.	112
Abdala, Pedro	175	Agarwal, Ankit	182
Abdel Fattah, Kareem R.	114, 162, 172, 197, 199, 200	Agarwal, Shilpa	126
Abdelgawad, Mohamed	129, 152	Agarwal, Suresh	171, 192
Abdelhafeez, Abdelhafeez	174, 185	Aggon, Allison A.	123
Abdel-Misih, Sherif R. Z.	127, 135	Agnese, Doreen M.	87
Abdelnaby, Abier	114, 183	Agor, Uche J.	182
Abdel-Naby, Deoranie N.	198	Agrawal, Shubham	203
Abdel-Naby, Ramy	198	Agrusa, Christopher	152
Abdelrahman, Husham	219	Aguila, Nicolas	180
Abdelrahman, Tarig	188, 199, 200	Aguiluz, Gabriela M.	206, 207, 210, 212, 221
Abdelsayed, John	183	Agyemang, Eric	170
Abdul-Jawad, Muhammad Z.	215	Ahern, Thomas P.	133
Abdullah, Fizan	85, 130, 197	Ahmad, Raza	111
Abdullah, Mohammed	116, 201	Ahmad, Syed A.	103
Abdullah, Mohammed S.	141	Ahmed, Husham M.	197
Abdul Raheem, Fawaz	194	Ahmed, Husham Mohamed M.	215
Abecassis, Maurissa	178	Ahmed, Khalid	197
Abel, Stuart A.	147	Ahmed, Leaque	129, 186
Abougergi, Marwan S.	197	Ahmed, Nasim	176, 202
Abou Hussein, Bassem M.	175, 186	Ahmed, Shayyan	164
Abou Khalil, Jad	134	Ahn, Mollie S.	217
Aboulain, Armen	173	Ahnfeldt, Eric P.	71
Abouqal, Redouane	148	Ahrendt, Gretchen M.	146
Aboutanos, Michel B.	184, 192, 204	Aiello, Alexandra C.	146, 194
Abraham, John	134	Aiello, Francesco	202
Abrami, Evelyn A.	173	Aizat Sabri, Ilias	136
Abramyan, Shogik	96	Ajiko, Mary M.	44, 92, 103, 125, 164
Abreu, Raquel C.	207	Akbaba, Tayfun H.	124
Abt, Peter L.	120, 127	Akdur, Aydinca	142, 191, 203
Abuhakmeh, Yousef H.	192	Akhmerov, Akbarshakh	140
Abu-Halima, Masood	135	Akhress, Rami	124
Abu-Jaish, Wasef	210	Akhtar, Faisal	198
Aburjania, Zviadi	118	Akkoyun, Imren	201
Abutaka, Ahmad G.	208	Akmercan, Tayfun	206
Abutaka, Ahmad G. M.	96	Akras, Zade	124
Acevedo-Moreno, Lou-Anne	156	Al-Abbad, Jasim	194
Achiam, Michael P.	143, 193	Alabi, Eytayo	165
Acquista, Elizabeth	154	Alaadeen, Diya I.	56, 211
Adams, David B.	138, 197	Alaish, Samuel M.	94, 139
Adams, Ryan	115	Alakaloko, Felix	165
Adams, Sasha D.	49	Alam, Hasan B.	64, 77, 79, 115, 131, 159
Adamski, John H., II	204	Alameer, Ehab	129
		Al-Ani, Ammar	215
		Alavi, Karim	111, 120, 191
		Al Awwad, Saad	215
		Albahr, Ahmad	215
		Alban, Rodrigo F.	47, 112, 176
		Albarado, Rondel P.	197
		Albazza, Samara	192
		Albazzaz, Samara	206
		Al Ben Ali, Sarah	194
		Albert, Matthew R.	53, 57
		Alberter, Andrew A.	176
		Alberto, Emily C.	119
		Albuquerque, Francisco B.	184
		Alcantara, Jocelyn	148
		Aldana, Jose A.	147, 149
		Aldrich, Melinda C.	165
		Aldrink, Jennifer H.	184
		Aleassa, Essa M.	145
		Aleman, Rene	160, 174, 182, 189, 218
		Alemayehu, Hanna	217
		Alemu, Senait B.	165
		Alesina, Pier Francesco	188
		Alessio, Lucarini	172
		Alexander, H. Richard	83
		Alexander, Kyle J.	126
		Alexopoulos, Sophoclis P.	86
		Alfego, David	157
		Alfkey, Rashad F.	208
		Alfonso, Antonio E.	131
		Alford, Scott	135
		Alganabi, Mashriq	139
		Alhajjat, Amir	131, 174
		Alhaj-Saleh, Adel	156
		Al-Hassani, Ammar	115
		Ali, Mohammed	96
		Aliakbarian, Hassan	128
		Ali Alvi, Mohammed	115
		Alicea, Cesar C.	96
		Alikhassy Habibabady, Zahra	134
		Alimi, Yewande	120
		Aljohani, Othman	212
		Alkhatib, Hemasat	115, 156, 170, 171, 191, 208, 211
		Al Khatib, Omar	207
		Alkire, Blake	148, 160
		Al-Lami, Hind S.	147
		Allee, Lisa	181
		Allemang, Matthew T.	137
		Allen, Ahkeel	165
		Allen, Chelsea M.	119
		Allen, Kari	189
		Allespach, Heidi	131
		Allison, David	202
		Allison, Kelly	155, 187
		Almada, Tamara N.	220
		Almario, Jorge	206
		Almaroof, Babatunde H.	93
		AlMarzooqi, Raha	115, 156, 170, 171, 191
		Al-Mubarak, Abdulaziz	194
		Alnajjar, Raed M.	212
		Al-Omran, Mohammed	116, 118

Alqroom, Rami Y.	116	Angeles Gaspar, Daniel	188	Askari, Reza	161, 172, 176, 203
Al Qudah, Ghaith	84	Angeletti, Silvia	194	Aslam, Usman	143, 147
Al-Refaie, Waddah B.	84, 127, 132	Angeletti, Stefano	183	Assinger, Alice	157
Al-Rubaiah, Rawan	194	Angelos, Peter	45, 101	Assirati, Giacomo	220
Al-Saddah, Saba	194	Anger, Jennifer	138	Astarabadi, Mariam	169
Al-Saeedi, Mohammed	190	Annaniemi, Juho A.	116	Asuelime, Grace	139
Alsafi, Sarah H.	96	Anthony-Pillai, Aaron	143	Ata, Ashar	169
Alsaleh, Fahad F.	96	Antolino, Laura	214	Atala, Anthony	123, 196, 201
Alseidi, Adnan A.	44, 162, 209	Anton, Nicholas E.	178	Atallah, Chady	120
Alson, Roy L.	145	Anton, Toomas	209	Atallah, Sam	52, 53, 57
Altamirano Arcos, Carlos	195, 197	Antonelli, Giulio	183	Atamer, Cem	180
Altarabsheh, Salah Eldien I.	102	Anvari, Mehran	213	Atigadda, Venkatram R.	121
Al-Temimi, Mohammed	194	Anzlovar, Nancy	145	Atilgan, Alev Ok	142
Al-Thani, Hassan	115, 169, 197, 204, 215, 219	Aoki, Katsuhiko	183	Atri, Eli	131
Altinel, Yuksel	215	Aoun, Rami J.	215	Aucejo, Federico	156
Altman, Ariella M.	190	Apostol, Radu	207	Auer, Rebecca Ann C.	98
Alvarez, Marcus A.	190	Apple, Annie	185	Aufhauser, David, Jr.	127, 163, 200
Alvarez, Sebastian	214	Apple, Camille G.	131, 159	Augenstein, Vedra A.	60, 207, 212
Alvarez, Wilmer	119	Applegate, Gregory	204	Augustin, Toms	129, 189, 200
Alverdy, John C.	87, 98, 147, 215	Aprahamian, Charles	217	Augustine, Mathew	190
Alvikas, Jurgis	117	Aquina, Christopher T.	133	Ault, Glenn T.	51, 151
Alvis, Bret	191	Arain, Mustafa	210	Aurello, Paolo	214
Alvord, Lori A.	97	Aranki, Sary	124, 193, 198	Aurit, Sarah J.	151
Alzahrani, Hassan	215	Araujo-Gutierrez, Raquel	114	Austin, Peter C.	110, 116, 118
Alzghari, Talal	218	Arbabi, Saman	131	Auyang, Edward D.	113
Al-Zubaidi, Yasir	215	Arbutina, David R.	96	Avegno, Jennifer	198
Amadi, Chima	147	Archambault, Caitlin	136	Avenido, Raymund	138
Amador, Francisco J.	169, 186, 187, 192	Ardengh, Andre	219	Avery, Martin	145, 203
Amanti, Claudio	187	Are, Chandrakanth	145	Aviles, Diego J.	201
Amarnath, Sudha	180	Arefanian, Saeed	211	Avisar, Eli	119, 165
Amberson, Michael J.	119	Arend, Rebecca	150	Avritscher, Elenir B.	143
Ambrose, Catherine	195	Ares, Guillermo	139	Awad, Amanda N.	157
Ambrosio, Art A.	112, 113	Arevalo Pereira, Kenndy M.	172	Awad, Michael M.	189
Ambrus, Rikard	193	Arias Ramirez, Israel E.	216	Awad, Morcos A.	153
Amdur, Richard L.	141, 163, 174, 184	Aribindi, Vamsi K.	210	Awad, Ziad T.	186, 211, 220
Ameh, Emmanuel A.	44, 165	Ariokot, Mary Goretty	125	Axtell, Andrea L.	141, 198
Amendola, Michael F.	171, 191, 202	Arivoli, Muthukurisil	125	Ayala, Alfonso E.	119, 120, 128, 175
Amersi, Farin	78, 123	Ariyan, Charlotte E.	98, 170	Ayala, Alfred	139
Amin, Amanda L.	124, 188	Arkorful, Temitope E.	160	Ayaz, Talha	116, 149, 168, 201
Amini, Arya	177	Armstrong, John H.	53, 101, 102	Ayazi, Shahin	137
Amini, Neda	120	Arndt, Kevin R.	199	Aydin, Huseyin Onur	191
Amirian, Seyedeh Haleh	128	Arnold, Lindsay	117	Aydin, Husnu	156
Amoako, Joachim K. A.	126	Arnold, Meghan A.	94	Aydinoglu, Ayse T.	124
Amponsah, Forster	160, 170	Arnold, Robert	114	Aye, Jamie M.	139
Anand, Rahul J.	122	Arnolds, Delroy	160	Ayers, Brian C.	118
Anand, Tanya	144	Arora, Eham L.	213	Ayinapudi, Venkat	129
Anantha, Ram V.	176	Arora, Rakesh C.	75	Ayoung-Chee, Patricia R.	198, 203
Anastasopoulos, Alexandra	193	Arrington, Amanda K.	74	Aytac, Erman	133, 142, 180
Anciano, Carlos	212	Arshad, Seyed A.	212	Ayubi, Tariq	173
Anciano, Carlos J.	218	Arthur, L. Grier	185	Ayvazoglu Soy, Ebru H.	123, 203
Anderson, Brigitte	221	Arthurs, Zachary M.	97	Azagra, Juan S.	221
Anderson, Cooper	153	Arya, Shipra	132, 141, 143, 163, 165	Azagury, Dan E.	159, 202, 210
Anderson, Devon	111	Asaad, Malke	113	Azarin, Samira M.	179
Anderson, Jamie E.	165	Asaad, Wael	117	Azarow, Kenneth S.	101, 167
Anderson, Spencer R.	163	Asadi, Hamed	137	Azim, Asad	176, 204
Anderson, Tiffany N.	126	Asaoka, Mariko	176	Azim, Khwaja M.	177
Andrade Delgado, Laura	188, 195	Asarian, Armand P.	197	Aziz, Hassan	121, 129
Andraos, Youssef A.	217	Asay, Basil	125	Aziz, Hiba Abdel	82, 90
Andraska, Elizabeth M.	146	Asban, Ammar	118	Aziz, Monowar	122, 186
Andropoulos, Dean B.	170	Asbun, Horacio J.	215	Aziz, Shahid R.	85
Anez-Bustillos, Lorenzo	139	Asgharzadeh, Shahab	139	Azoury, Said C.	153
Angamarca, Edison F.	219	Ashing, Kimlin Tam	177		
Angelella, Sandra	159	Ashraf, Muhammad N.	172		
		Askari, Morad	169, 186, 187, 192		

B			Barg, Frances	132	Behrns, Kevin E.	72
Baba, Yuji	173		Bargoud, Christopher	124	Beierle, Elizabeth A.	83, 121, 139
Bababekov, Yanik J.	123, 148, 197		Barillaro, Guillermo	173	Beilke, Sarah	148
Babazadeh, Nasim T.	152		Barkun, Jeffrey	134	Beilman, Gregory J.	117, 144
Babu, Sateesh	218		Barleben, Andrew	184	Bekaii-Saab, Tanios	168
Bachman, Katelynn C.	135, 158, 165, 168		Barlog, John	136	Bekele, Abebe	76, 82, 92
Bachman, Sharon L.	61		Barmparas, Galinos	176, 192	Belayachi, Jihane	148
Bacic, Đordano	180		Barnes, Stephen	175	Belette, Allison M.	126
Backhus, Leah	158, 199		Barnett, Carlton C.	121	Belfort, Michael	216
Badani, Ketan	216		Barney, Linda M.	48	Bell, Cynthia	174
Badgwell, Brian D.	83, 191		Barocas, Daniel	137, 150	Bellber, Christopher	195
Bafford, Andrea C.	180		Barreto, Nicolas L.	132	Bellotti, Carlo	214
Bagante, Fabio	179		Barrett, Allison M.	96	Bellucci, Marco	214
Baggett, Nathan D.	154		Barrett, Christopher D.	176	Belsley, Scott	216
Baghai, Mercdeh	61		Barrett, James	178	Beltran Garcia, Tatiana C.	171
Bahnson, Matthew	152		Barrie, Umaru	181	Belyansky, Igor	115, 171, 182
Bahnson, Robert R.	65, 66		Barrientes, Ashtyn B.	161	Benammi, Sarah	148
Bahrami, Simin	78		Barrio, Andrea V.	66, 94	Bence, Christina	167
Bai, Yun Zhu	149		Barshes, Neal R.	188	Benchimol, Daniel	190
Bailey, Jeffrey	113		Barth, Rolf N.	196	Bendjaballah, Ali	202
Bailey, Lisa	114		Bartlett, Edmund	127, 170	Benedetti, Enrico	206
Bailey, Patrick V.	102, 105		Bartley, Matthew G.	110	Beninato, Toni	146, 152
Bailey, Virginia	188		Barton, Jeffrey S.	151	Benissan-Messan, Dathe	140
Bainbridge, Courtney	193		Bartscherer, Ashley	169	Benjamin, Elizabeth R.	62, 171, 198, 219
Baiocchi, Michael	144		Bartz-Kurycki, Marisa	216	Ben Khallouq, Bertha A.	136
Bajani, Francesco	187		Bascombe, Nigel A.	207	Bennett, John M.	143
Bajinting, Adam	174, 217		Bashir, Muhammad U.	221	Bennett, Jonathan D.	184
Bakaeen, Faisal	124		Basile, Guido	164	Benns, Matthew V.	117, 164
Bakas, Jay M.	153		Basilico, Matthew	148	Bentrem, David J.	190
Baker, Henry V.	131		Baskin, Esra	191	Beqari, Jorind	162
Baker, Samantha	144		Baskin, Roy H., IV	197	Berardi, Giammauro	121, 161, 183, 219, 220
Baker, Sarah	142		Bass, Barbara Lee	71, 72, 76, 86, 191	Berber, Eren	151, 156, 214
Bakhos, Charles T.	212		Bastawrous, Amir L.	183	Bereknyei Merrell, Sylvia	189
Bakshi, Reena	216		Basterrica, Luis E.	214	Beres, Alana L.	167, 217
Balaa, Fady	134		Basu, Mohua	166	Berezin, Naomi	186
Balachandran, Vinod	103		Batchinsky, Andriy I.	113	Berg, Arthur	133, 202
Balanoff, Christa R.	124, 188		Bateni, Sarah	168	Berg, Cameron	168
Balceniuk, Mark D.	118		Bath, Jennifer L.	132	Bergamaschi, Roberto C.	133, 180, 183
Balci-Hayta, Burcu	124		Bauder, Barbara	198	Berger, Adam C.	114, 140, 143, 149, 159, 182
Balci-Peynircioglu, Banu	124		Bauer, Natalie J.	163	Berger, David L.	103
Balducci, Genoveffa	172, 183		Bauer, Philip S.	120	Berger, Yael	190
Balkhy, Husam H.	212		Bauernfeind, Amy	189	Bergsland, Emily K.	168
Ball, Brittany E.	201		Bauman, Zachary	188	Berho, Mariana	57
Ball, Chad G.	72		Bautista, Robert-Marlo F., Jr.	153	Berk, Robin H.	175
Ballarin, Roberto	220		Bax, Timothy W.	50	Berkelhamer, Sara K.	174
Ballman, Karla	46		Baxter, Bernard T.	192	Berlakovich, Gabriela A.	140
Baltazar, Gerard A.	155		Baxter, Nancy N.	95, 176	Berlin, Ana	96, 131
Balu, Suresh	164		Bayron, Jennifer	96	Berman, Russell S.	113, 138
Balus, Alexandru T.	210		Beal, Eliza W.	127	Bernal, Ginna M.	172
Bambakidis, Ted	115		Beane, Joal D.	144	Bernard, Andrew C.	97
Banerjee, Anirban O.	110		Beano, Hamza	137	Bernardi, Karla	115, 143
Bankhead-Kendall, Brittany	114		Beard, Jessica H.	126	Bernardi, Laura	125, 220
Bankole, Olufemi B.	165		Beattie, Genna	86, 203	Bernier, Greta V.	120, 183
Bannon, Joseph	206		Beck, Adam W.	162	Bernini, Celso O.	219
Banos, Noely C.	152		Beck, Anna C.	103, 180	Bernstein, Wendy	199
Bansal, Aditya	198		Beck, David E.	39	Berroc, Julian K.	145, 146
Bantis, Katrina	159		Beck, Jenna	176	Berry, Cherisse D.	90, 117, 181
Bapat, Aditi	149		Beck, Sandra J.	133	Berry, Mark F.	158, 199
Bapodra, Anuj L.	157		Beckles, Daniel L.	193	Bersigotti, Laura	172, 183
Baquero, Romar	172		Beckworth, Kristen	167	Bertens, Kimberly	134
Barbosa, Karen S.	61		Becnel, Chad	115	Beskow, Laura M.	114
Bardes, James	122		Bednarski, Hania B.	61	Betancourt, Abraham	160
			Behare, Stacy	190		
			Behrman, Stephen W.	168, 198		

Betarbet, Udayan	195	Bleicher, Richard J.	123	Bowles, Robert J.	56
Betzold, Richard D.	114	Blemur, Danielle N.	149	Bowring, Mary G.	196
Bevilacqua, Lisa A.	140	Blinman, Thane A.	177	Bowyer, Mark W.	71, 96
Beyer, George A.	116	Blitzer, David	156, 190, 195, 201	Boyle, Lisa M.	80
Bhakta, Avinash S.	133, 153	Blocher, Charles	136	Boyle, Thomas A.	152
Bhalakia, Anvi	167	Blondet, Niviann	114	Boyvat, Fatih	192
Bhama, Anuradha R.	87, 177, 183	Bloom, David A.	65	Boza, Camillo	79
Bhandari, Prasha	199	Bloom, Jordan P.	144	Bozeman, Matthew	117
Bhandarwar, Ajay H.	208, 213	Bloom, Matthew B.	54	Bozzay, Joseph	113
Bhashyam, Abhiram	148	Blum, Kyle A.	150	Bracci, Paige	130
Bhatt, Amit	59, 60	Blume, Jeffrey D.	165	Bradley, Emma	149
Bhatt, Prachi	198	Blumenfeld, Yair	78	Bradley, Matthew J.	113
Bhattacharyya, Oindrila	146	Blum Murphy, Mariela A.	191	Bradley, Reames N.	145
Bhattarai, Deepa	139	Boas, Samuel	183	Bradway, Marcella W.	89
Bhatti, Umar F.	159	Bobel, Matthew C.	127, 162, 189	Brady, Ann-Christina	152
Bhinder, Jasmine	154	Bobos, Matthaios	180	Brady, Kenneth M.	170
Bi, Xiaohong	195	Bochicchio, Grant V.	147, 149, 172	Brady, Mary S.	170
Biagiotti, Jessica L.	195	Bochicchio, Kelly M.	147, 172	Bragaglia, Lorenzo	183
Bianchi, Paolo P.	212, 221	Boeck, Marissa A.	92, 99, 125	Brahmbhatt, Tejal S.	171
Bianchini, Matteo	214, 220	Boffa, Daniel J.	138	Brakenridge, Scott C.	131, 135
Bianco, Francesco M.	221	Boffetta, Paolo	140, 158	Brancato, Giovanna	164
Bickler, Stephen W.	44, 160	Bogert, James	62	Brandt, Mary L.	90
Bidwell, Serena	151	Boggs, Mary K.	69	Branson, Carolina F.	127, 162, 189
Bierle, Elizabeth A.	139	Boitano, Laura T.	141, 163, 184	Branstool, Taylor M.	196
Biesterveld, Ben E.	159	Boitano, Teresa K. L.	148	Brar, Savtaj	148
Bikhchandani, Jai	133	Bokhari, Faran	159, 187	Brasel, Karen J.	104, 114, 154
Bilaniuk, Jaroslaw W.	131	Bokhari, Marissa	187	Brat, Gabriel	133, 165, 199
Bilello, Joshua S.	141	Boland, Genevieve M.	74, 179	Brathwaite, Collin E. M.	143, 147, 174
Bilen, Mehmet A.	136	Bombil, Ifongo	208	Bravo, Raquel	133, 146, 194
Bilezikian, Jordan	154	Bonasso, Patrick	174	Brebbia, John	120
Bilimoria, Karl Y.	131, 132, 154, 179	Bonde, Alexander	143	Brecount, Hogan	124
Billiar, Timothy R.	159	Bonds, Morgan	209	Brepmpelis, Katherine J.	148
Billingsley, Kevin G.	156	Boneva, Dessislava V.	181, 185, 187, 203	Brenner, Megan L.	62, 108
Billmire, Deborah F.	83	Bongiovanni, Tasce	120, 193	Brescia, Alexander	199
Biloslavo, Alan	125	Bonham, Aaron J.	137	Breslin, Kylie	146
Bindi, Edoardo	139	Bonilla-Escobar, Francisco J.	160, 164	Brichkov, Igor	216
Bingener-Casey, Julianne	147	Bonnah, Godslove K.	160	Briggs, Alexandra	53, 143
Bingham, Jason R.	137, 172, 175	Boolbol, Susan K.	61, 63	Briggs, Andrew	127, 170
Bingmer, Katherine	111, 152, 183	Borazjani, Boris	55	Brinton, David	133
Biouss, George	185	Bordegaray, Nichole	161	Britt, L. D.	41, 106, 166
Birdas, Thomas J.	140	Bordt, Andrea	132	Britt, Peter	137
Birindelli, Arianna	187, 219	Borgen, Patrick	177	Britt, Rebecca C.	79, 145
Birstler, Jen	138	Borgert, Andrew J.	128	Broach, Robyn B.	115
Bischof, John C.	179	Borgstrom, David C.	50, 68, 122	Brock, Malcolm V.	199
Bisgaard, Thue	171	Born, Louis J.	134	Brockbank, Kelvin	201
Bislenghi, Gabriele	218	Borrebach, Jeffrey D.	144	Broda, Andrew	115, 156, 171, 182, 186
Biswas, Arushi	125	Borrelli, Mimi R.	134, 141, 153, 195, 196	Broderick, Ryan C.	206, 214, 216
Bitran, Alberto	208	Borsuk, Daniel J.	180	Broderick, Stephen R.	140
Bittinger, Ann M.	52	Bortz, Pascal	182	Brodish, Brian N.	218
Bittner, Sean M.	202	Bosarge, Patrick	192	Brody, Fredrick J.	163, 183, 208, 211, 213
Blackshear, Charles	141	Boscardin, John	144	Broghammer, Joshua A.	89
Blackstone, Robin L.	91	Boshier, Piers R.	149, 193	Bronsert, Michael R.	119, 132, 193
Blaha, Lauren E.	182	Bossert, Ronald	199	Bronstein, Matthew	218
Blakely, Andrew M.	101, 168	Botolin, Paul	159	Brooke, Benjamin S.	118, 138
Blanco, Amie	130	Bott, Matthew	140, 158	Brooks, Ari D.	177
Bland, Joseph E.	168	Boudourakis, Leon	176	Brostjan, Christine	157, 189
Blankson, Benjamin	160	Boughey, Judy C.	46	Browder, Timothy D.	55
Blansfield, Joseph A.	142, 149, 167, 168	Bourdeau, Timothy J.	185	Brown, Carl J.	53
Blas, Juan Luis	178	Bove, Aldo	188	Brown, Carlos V.	78, 97, 114, 192
Blasberg, Justin D.	138	Bowder, Alexis N.	173	Brown, Chris	158, 179, 188, 199, 200
Blatnik, Jeffrey A.	211, 212	Bowen, Karen E.	73	Brown, Jordana F.	115
Bleday, Ronald	126, 164	Bowen-Jallow, Kanika A.	217	Brown, Kevin	170
Blegen, Mariah B.	118			Brown, Kimberly	111
Bleicher, Josh M.	186				

Chambers, Justin	134	Chen, Edward P.	95	Chopra, Arun	130
Chambers, Kelly M.	111	Chen, Frederick Y.	193	Chotipakornkul, Nuntika	200
Chambers, Lauran A.	132	Chen, Guanhua	138	Chou, Elizabeth L.	118, 184
Chamieh, Jad	186	Chen, Herbert	64, 104, 197	Choudhary, Mohammad	193
Champion, Nicholas	181	Chen, Jiong	179, 201	Choudhury, Rashikh A.	120, 140
Chan, Charles K.	134	Chen, Judy Y.	128, 174	Chouhan, Jyoti	136
Chan, Kitty S.	127	Chen, Kathryn T.	190	Chouillard, Elie	216
Chan, Siu Yin	137	Chen, Lilian	199	Chouliaras, Konstantinos	127
Chandler, James G.	158	Chen, Mingyu	220	Chovanec, Kristy	137
Chandler, Julia M.	146, 203	Chen, Rui	132	Chow, Geoffrey S.	175
Chandler, Nicole M.	166	Chen, Sheena W.	163	Chow, Kevin	192
Chandra, Abhishek	113, 147	Chen, Simon B.	190	Chowdhury, Nobel	137
Chandrabhatla, Anirudha D.	165	Chen, Steven L.	90	Choy, Charles	131
Chandrasekar, Thenappan	150	Chen, Winsor	96	Christians, Kathleen	135
Chandrasekaran, Arjun	154	Chen, Xiaodong (Phoenix)	113, 177	Christmas, Ashley B.	69
Chang, Amber L.	200	Chen, Xiaofei	162	Chu, Carrie	208
Chang, Andrew C.	158, 199	Chen, Yufei	215	Chu, Chengnan	132
Chang, C. K.	147, 158, 200	Chen, Zhen	201	Chu, Daniel I.	132, 144, 146
Chang, David C.	123, 132, 148, 166, 184, 196, 197	Chendrasekhar, Akella	198	Chu, Kathryn M.	160, 161, 164, 173
Chang, David F.	121	Cheng, Aaron M.	105, 106	Chu, Ngoc-Quynh T.	117, 140
Chang, David K.	103	Cheng, Angela	195	Chua, Kathleen S.	137, 161, 210
Chang, David W.	92	Cheng, Daniel	121	Chughtai, Talat S.	215
Chang, Erin H.	188	Cheng, Margaret	138	Chun, Young-jae	154
Chang, George J.	84, 179	Cheng, Megan	119	Chung, Alice P.	123
Chang, Howard Y.	134	Cherla, Deepa	170	Chung, Caroline	156
Chang, Jenny H.	138, 177	Cheung, Elaine O.	154	Chung, Chun-Shiang	139
Chang, Kai-Hua	134	Cheung, Tan To	123, 196	Chung, Jane	211
Chang, Lily	128	Cheverie, Joslin N.	206, 214, 216	Chung, Jeanette W.	131
Chang, Michael C.	46	Chewning, Scott	171	Chung, Mathew H.	122
Chang, Pengkang	191	Chhabra, Karan R.	112, 128	Chung, Patrick Ho Yu	102
Chang, Robert W.	118	Chharath, Khattiya	182	Chung, Paul J.	131
Chang, Sam S.	66	Chiacchio, Maria V.	220	Chung, Sebastian K.	111
Chang, Tammy T.	181	Chiagozie, Nwakanma	186	Church, James M.	146, 189
Chang, Yu-Hui	168	Chiang, Po Yu	115	Cicalese, Erin	130
Chang, YuWei W.	133, 195	Chiapperino, Marissa	160	Ciccozzi, Massimo	117, 194
Chao, Celia	161	Chiarugi, Massimo	111	Cima, Robert R.	147
Chao, Steven	202	Childers, Christopher P.	112, 132, 138	Cindass, Jessica L.	148
Chao, Tiffany E.	164	Chilingulo, Ivy	125	Cioffi, William G., Jr.	38, 89, 142
Chapin, Kristen	160	Chin, Theresa	145	Cipolat Mis, Tommaso	216, 220
Chapital, Alyssa B.	212	Ching, Maggie	140, 199	Cipolle, Mark D.	136
Chapman, Wendy W.	165	Chinta, Malini	116, 117, 134, 157	Cisco, Robin M.	129, 152
Chapman, William C., Jr.	152	Chipman, Jeffrey G.	83, 127, 144, 189	Ciuffreda, Sara	188
Chapple, Kristina	146	Chisari, Emanuele	219	Ciullo, Sean	185
Charalel, Resmi	82	Chisholm, Leah	150	Clair, Daniel G.	97
Charles, Anthony G.	125, 126, 136, 147, 160, 164, 172, 173	Chisolm, Stephanie	150	Clancy, Thomas E.	48, 145, 178
Charlton, Mary E.	180	Chiu, Bill	121	Claridge, Jeffrey A.	203
Chatterjee, Abhishek	118, 177	Chiu, Priscilla P.	80	Clark, Audra T.	199
Chatzitheoklitos, Efthimios	200	Chiuzan, Codruta	153	Clark, Damon	145
Chaudhari, Ajit	195	Chivukula, Sitaram	152	Clark, David E.	36
Chaudhary, Sachin	128	Cho, Bennet S.	139	Clark, James	156
Chaudhary, Sejul	126, 155	Cho, Daniel Y.	148	Clark, Patricia L.	61, 63
Chaudhry, Haris H.	111	Cho, Jae-Sung	141	Clark, Peter	136
Chaudhry, Sharjeel A.	141	Cho, Nancy L.	154, 199	Clark, Ryan	84, 128
Chaudhuri, Prabir	135	Cho, Sung-Min	136	Clarke, Callisia N.	127, 135, 190
Chavali, Kavya S.	207	Chobrutskiy, Boris I.	120, 144	Clary, Carolyn G.	110
Chavez, Jason	166	Choe, Giye	193	Cleveland, Joseph C.	193
Chavez Serna, Enrique	188, 195, 197	Choi, Beatrix H.	130, 167, 198	Clifton, G. Travis	148, 161
Che, Heidi	185	Choi, Chun W.	136	Clothier, Jessica	137
Chen, Amy Y.	66	Choi, Gi Hong	54, 55	Clouse, William D.	141, 184
Chen, Bofeng	129	Choi, Jennifer N.	43, 80, 124, 178, 200	Cloyd, Jordan M.	127
Chen, Chuangqi	143	Choi, Joanna	164	Cmorej, Peter	144
Chen, Cynthia	187	Chojnacki, Karen A.	206, 217	Coates, Scott D.	91
		Chok, Kenneth Siu Ho	196	Coburn, Jeannine M.	121
		Chopra, Ajay K.	214	Coburn, Michael	89

Dassinger, Melvin S.	174	Delitto, Daniel	117	Dhillon, Navpreet K.	176, 192
Dauer, Elizabeth D.	169	Delman, Keith A.	102, 131, 178	Dhir, Mashaal	179
Dauer, Marc	184	DeLong, Jonathan C.	213	D'Hoore, André	218
Daugaard, Thomas R.	190	DeLozier, Olivia M.	152	Dhru, Urmil	196
Dauphine, Christine E.	176	Del Zotto, Giulio	125	Diaz, Begoña	190
Davalos, Gerardo	159, 208, 216	de Manzini, Nicolò	125, 220	Diaz, Jose J.	66
Davenport, Daniel	133, 153, 195	DeMare, Alexander M.	217	Diaz DeLeon, Nestor Manuel	141
Davern, Maria	179	DeMaria, Eric J.	91	Diaz Jara, Ramon	159, 208, 216
David, Elizabeth A.	140	DeMatteo, Ronald P.	65, 129, 133, 180	Di Benedetto, Fabrizio	220
Davidoff, Andrew M.	174	de Mestral, Charles	116, 118	Di Candio, Giulio	214, 220
Davids, Jennifer S.	111, 120, 162, 191	Demetriades, Demetrios	65, 145, 171, 198, 219	Di Carlo, Antonio	121
Davidson, Elana	160	Demircin, Metin	124	Dick, Andre A.	114
Davidson, Giana H.	48, 79	Demissie, Seleshi	178	Dicker, Rochelle A.	125
Davidson, Jesse	97	Denbo, Jason W.	190	Dickson, Paxton V.	104, 152, 167, 190, 195, 198
Davila, Daniel	212	Deneve, Jeremiah L.	152, 167, 168, 190, 195, 198	Dicocco, Pierpaolo	206
Davila, Victor J.	131	Deng, Bo	147, 163, 170, 193, 201	Diebo, Bassel G.	116, 202
Davis, Andrea E.	155, 187	Deng, Bowei	193	Diefenbach, Karen A.	184
Davis, Bradley R.	180	Deng, Mengying	123	Dietz, David W.	111
Davis, Brian R.	161	Denham, Ervin W.	171	Dietz, Jill R.	61, 63
Davis, Catherine H.	191	Dennahy, Isabel S.	159	DiFazio, Louis T.	131, 169
Davis, John M.	202	Denning, David	111	Di Franco, Gregorio	214, 220
Davis, Kimberly A.	74, 94	Denning, Naomi-Liza	96, 122, 174	Di Fuccia, Noemi	172
Davis, Konrad	112, 113	Dennis, Bradley M.	114	DiGiacomo, Jody C.	43, 100
Davis, Kurt	151	Densmore, John C.	167	Digiaco, Luca	130
Davis, Millard A.	175	Dent, Daniel L.	102	Dilday, Joshua C.	192
Davis, Rachel W.	217	Dente, Christopher J.	219	Dillavou, Ellen D.	82
Davis, S. Scott, Jr.	208, 212	de Oliveira Bernini, Celso	114	Diller, Maggie L.	212
Davis, Thomas	196	De Paepe, Monique E.	139	Dillhoff, Mary E.	130
Davis, Troy A.	203	de Paula, Thais Reif	120, 133, 146, 180	DiMaggio, Charles	117, 181
Davydova, Julia	149	de Paula Machado Henrique, Juliana	210, 216	Dimick, Justin B.	112, 120, 128, 137, 160
Dawra, Rajinder	180	Depew, Aron	182	Dinan, Michaela A.	129
Day, Gregory M.	149	Derbew, Millard	92	Ding, Weiwei	132, 172
Day, Ryan W.	215	Derickson, Michael J.	96	Dinwiddie, Sarah Beth	132
Deal, Allison	136, 150	Dermody, Sarah M.	112	Dionigi, Beatrice	60
de Alarcon, Alessandro	213	De Roo, Ana C.	120	Dip, Fernando	115, 210, 215, 216
de Alba Rosales, Armando	52	Desai, Chirag S.	114	DiRaimo, Robert	188
de Almeida Okida, Luis Felipe	210, 216	Desai, Harsh A.	202	Dirks, Rebecca C.	124
DeAnda, Abelardo, Jr.	143	Desai, Jay P.	202	Di Saverio, Salomone	111, 187, 219
De Andrade, James P.	152	de Sales Collet e Silva, Francisco	219	Dissanaik, Sharmila	70, 72, 74, 84, 101
Deane, Leslie A.	201, 213	Deschner, Benjamin W.	152, 167	Ditillo, Michael	116, 144, 150, 154, 155, 169, 181
Deans, Katherine J.	166	desJardins-Park, Heather E.	134	Ditta, Tatiana	144
Dearth, Christopher	113	De Stefano, Felice	160, 189	Dittman, James M.	176
Deaton, Travis G.	62	Deuse, Tobias G.	110	Divino, Celia M.	102, 134, 172
DeBrock, Will	153	Deutschman, Adam	54	Dixson, Benjamin A.	167
Dechert, Tracey	181	Deutsch, Gary B.	190	D'John, Jason	197
Decker, Christopher	203	Deutsch, Michael J.	171	Dmochowski, Roger R.	64
Dedhia, Priya H.	129, 151	Dev, Rushabh	96	Dobbertien, Mark A.	73
de Geus, Susanna W. L.	167	Deveney, Karen E.	101	Dobbins, Brian M.	125, 178
Degnim, Amy C.	49	Devenish, Liam P.	173	Doberstein, Cody	117
DeHaan, Skylar	149	Devin, Courtney L.	114, 140, 143, 159, 182, 212	Dobrilovic, Nikola	193
de Jager, Elzerie	166	de Virgilio, Christian M.	114, 145	Docimo, Salvatore	56, 153
DeJesus, Jana E.	164	DeVito, Robert	194	Dodd, Ashley	168
Dekker, Simone E.	115	DeVoe, William	143	Dodgion, Chris	173
Dekonenko, Charlene	217	de Vries, Claire	119, 137	Dogan, Lutfi	123
De La Cruz, Enrique	192	Dewberry, Lindel K.	139, 147, 155, 173	Dogar, Taimoore	111
de Lacy, Francisco B.	133, 146, 194	Dewey, Beth	130	Doherty, Gerard M.	129, 199
Delaney, Conor P.	97, 194	de Wijkerslooth, Elisabeth M. L.	125, 153	Dokic, Danijela	155
Delano, Matthew J.	198	Dhanasopon, Andrew P.	138	Dolen, Utku	177
Delao, Shannon	199	Dharma, Christoffer	110	Dolich, Matthew O.	117, 135, 192
Delaplain, Patrick T.	117, 192	Dhar-Mascareno, Many	193	Dombrovskiy, Viktor Y.	124
Del Chiaro, Marco	90, 117			Domingo-Musibay, Evidio	149
Delgoffe, Gregory M.	132				
de Lima Favaro, Murillo	201				
Delisle, Megan	112				

Dominguez, Dana A.	147, 158, 200, 203	Dunn, James C. Y.	139	Elkalla, Ahmed Mousa Hafez	183, 184
Dominguez, Edward P.	143	Dunn, Margaret M.	50	Elkbuli, Adel	181, 185, 187, 203
Dominguez, Ismael	221	Dunst, Christy M.	56	El Khoury, Rym	184
Dominguez, Lynette	161, 164, 165	Duoto, Bryan	195	Elli, E. Fernando	79
Dominguez-Profeta, Rebeca V.	206, 214, 216	Duque, Sofia	189	Elliott, Irminda Anna	96
Donaldson, Brian	186	Duquette, Steve	153	Elliott, Paige	185
Donati, Marcello	164	Durham, Lucian A., III	110	Ellis, Jennifer L.	118
Dong, Xiang D.	194	Durocher, Dawn	202	Ellis, Ryan J.	154, 179
Do-Nguyen, Chi Chi	187	Duron, Vincent	167	Ellison, E. Christopher	107, 113
Donlon, Noel E.	179	Dushime, Theophile	125	Ellsmere, James C.	169
Donmez, Mustafa	156	Dutson, Erik P.	206, 207	El-Matbouly, Moamena	214, 216
Donoho, Daniel A.	209	Dutta, Sanjeev	203	El-Menyar, Ayman	115, 169, 197, 204
Donovan, Kara	171	Dworsky, Jill Q.	103, 132	Elsamaloty, Haitham	135
Dore, Livingstone	206, 217	Dy, Benzon	49	El-Sayed, Ivan H.	66
Doshi, Lippi L.	100	Dyer, Andrew	151	Elsisy, Moataz	154
Dossa, Fahima	176	Dzeba, Kristina	146	Elson, Nora	145
dos Santos, André Ricardo C.	220			Elster, Eric A.	94, 113, 122, 196
dos Santos, Jones Pessoa, Jr.	219			Eltilib, Ibrahim	125
dos Santos Marques, Isabel C.	132			Ely, Sora	147, 158, 182, 200
Dossett, Lesly A.	135, 147	Eady, Matthew M.	145	Em, Steven T.	191
Dove, James T.	142, 153, 168	Earl, Truman M.	186	Emmett, Katrina	120
Dowdy, Sean C.	147	Earls, Brent W.	115	Eng, Oliver S.	161, 168
Downs, Tracy M.	66, 75, 136	Ebertz, David P.	154, 189	Engbrecht, Brett W.	217
Downs-Canner, Stephanie	116	Ebrahim, Ahmed	128, 137	Engdahl, Ryan	208
Dowzicky, Phillip	132	Eckert, Matthew J.	172, 175	Engelhardt, Kathryn E.	138, 197
Doyle, Adam J.	118, 218	Eckhouse, Shaina R.	137	Englesbe, Michael J.	130, 196
Drake, Frederick T.	167	Eddine, Savo Bou Zein	192	Engoren, Milo C.	198
Drebin, Jeffrey A.	74	Eddinger, Kevin C.	127	Enochsson, Lars	113, 130
Dreesen, Elizabeth B.	138	Edelman, David A.	203	Enofe, Nosayaba	142
Dressler, Jeremy A.	142	Edelman, David S.	103	Epstein, Aaron	71
Drew, Eleanor	166	Ederer, Ines	157	Erasmus, Lauren T.	218
Driessen, Rebecca	146	Edhayan, Elango	126, 155	Erdahl, Lillian M.	152
Driscoll, Erin C.	122	Edil, Barish	117	Erdim, Aylin	175
Drury, Nicholas B.	137	Edu, Sorin	169	Ericksen, Forrest	192
Drysdale, Keiji	212	Edwards, Michael A.	128, 160	Erickson, Anfin	142
D'Souza, Desmond M.	140, 212	Edwards, Paul A.	78	Eriksen, Whitney	132
Dua, Karan	202	Efron, Philip A.	131, 159	Erim, Tolga	189
Dua, Kulwinder S.	135	Egan, Richard J.	158, 179, 188, 199, 200	Ersoy, Zeynep	191
Dua, Monica M.	144			Esen, Eren	133, 142, 180, 221
Duan, Xiaohui	211	Egeland, Charlotte K.	190	Esmaeeli, Shooka	159
Duan, Zehua	132	Ehlers, Cooper	166	Esparaz, Joseph	217
Duane, Therese	85	Ehlers, Mark	150, 213	Esper, Gregory J.	142
Dubina, Emily D.	114	Ehlert, Bryan A.	218	Espino-Gaucin, Israel	195, 197
Dubinsky, Marla	142, 150	Ehsan, Afshin	132, 198	Espinoza Mercado, Fernando	140, 170, 199
DuBois, Benjamin C.	78	Eidelson, Sarah A.	113	Esplin, Jordan	119
Dubrovsky, Genia	139	Eiferman, Daniel S.	64, 67	Esposito, Emily	203
Duchesne, Juan C.	108, 175, 187, 198	Eisen, Andrea	176	Esposito, Sofia	212, 221
Duclos, Antoine	147	Eisenbeiss, Alexandra A.	197	Esquivel, Micaela M.	210, 211
Dudash, Mark	142, 168	Eisenstein, Samuel	142	Esserman, Laura	130
Dudeja, Vikas	133, 135, 149, 180, 200	Ejaz, Aslam	112, 165	Estep, Allison	115, 182
Duffy, Andrew J.	174	Ekici, Yahya	191	Estrada, Michelle	96, 156
Duh, Quan-Yang	58, 59, 65, 197	Ekstein, Charles	202	Etebari, Cyrus V.	162
Dukleska, Katerina	206, 217	Ekwenwa, Obi	196	Etherington, Mark	180
Dultz, Linda A.	172	Elango, Madhivanan	141	Ethun, Cecilia G.	150
Dumas, Ryan P.	172	Eldeiry, Mohamed	111, 193	Etra, Joanna	167
Duncan, Francesca E.	174	Elder, Craig	96	Ettner, Susan L.	112
Duncan, James E.	183	Eldrup-Jorgensen, Jens	118	Eusebio, Christian	37
Duncan, Luke	203	Elebute, Oluhide A.	165	Evans, Charity H.	188
Duncan, Sarah G.	133	Elegbede, Anuoluwapo F.	49	Evans, Cilina	159
Dunham, Lisette	138	Elgeidie, Ahmed	161	Evans, Cory	149
Dunkin, Brian J.	154	El-Gohary, Yousef	174, 185	Evans, Douglas B.	135
Dunn, Charles W.	50	El-Hayek, Kevin M.	129, 137, 200, 213	Evans, Heather L.	88, 145
Dunn, Emily	167	El Hechi, Majed	143	Evans, Lauren	169

Evans, Nathaniel R., III 140, 149,
159, 212
Evenson, Amy R. 162
Evie, Hosannah P. 154
Ewald, Cale 140
Ewbank, Clifton 126, 164, 217
Ewongwo, Agnes 151
Ezaldein, Harib 157

F

Faber, Cristiano 124
Fabricant, Loic J. 133
Fackche, Nadege 199
Facktor, Matthew A. 168
Fafaj, Aldo 115, 156, 170, 171,
191, 208, 211
Fagan, Johannes 173
Fagenholz, Peter J. 187
Fagenson, Alexander M. 121, 130, 160
Fahey, Thomas J., III 152
Fahy, Bridget N. 50, 95
Faizi, Zaheer 208
Falkner, Florian 135
Fallat, Mary E. 69, 101
Falsetti, Elena 216
Falsgraf, Erika 171
Fan, Zhaohui 112
Fang, Andrew M. 213
Fang, Fang 124
Fang, Robert C. 195
Fang, Xiang 175
Fankhauser, Grant 141
Fanous, Medhat Y. 91
Farber, Alik 183
Farber, Benjamin A. 163
Fard-Aghaie, Mohammad H. 219
Farguell, Jordi 194
Farhat, Joseph 149, 155
Faries, Peter L. 184
Farjah, Farhood 93, 128
Farley, David R. 113
Farma, Jeffrey 180
Farmer, Diana L. 91, 99, 165
Farmer, Suzanne J. 199
Farolfi, Tommaso 214, 221
Farooq, Khadija 130
Farooq, Syeda A. 130, 156
Farooqui, Zishaan 145
Farr, Deborah E. 114, 177
Farrar, John T. 155
Farrell, Timothy M. 207
Farrens, Ashley 188
Farzaneh, Cyrus 186
Fathalizadeh, Alisan 213
Fathimani, Kamran 173
Fatima, Irum 161, 172
Fatucchi, Lorenzo Maria 214
Favuzza, Joanne 177, 183
Fayanju, Oluwadamilola M. 122, 165
Fayazzadeh, Hana 217
Fazli, Mohammad R. 103
Fazzalari, Amanda 96, 157, 202
Feather, Cristina B. 162

Fedorova, Ekaterina 195
Feeney, James M. 192
Feeney, Timothy 167
Feinberg, Adina 151
Feingold, Daniel L. 51
Feins, Richard H. 94, 95
Feinstein, Ara J. 70
Feldman, Hope 149
Felger, Erin A. 129
Feliberti, Eric C. 145
Feliciano, David V. 66, 84
Felicioni, Luca 212
Felix, Edward L. 92
Femino, Dominic 191
Feng, Mengyu 191
Fenlon, Michael 121, 139
Fennern, Erin B. 128
Fensterstock, Melissa 83
Fer, Danyal 198
Fereydooni, Arash 163
Ferguson, Dalya M. 167, 185
Ferguson, James C. 198
Fernandes, Eduardo 192, 210, 221
Fernandez, Diego L. 102
Fernandez-del Castillo,
Carlos F. 144, 178
Fernandez-Moure, Joseph S. 114, 181
Fernandez-Pineda, Israel 185
Fernandez-Ranvier, Gustavo G. 58, 59,
107, 208
Ferrada, Paula 35, 48, 59, 62, 108,
152, 162, 192, 204
Ferrantella, Anthony 133, 149, 180
Ferraro, Jeffrey P. 148, 165
Ferreira Alves, Pedro H. 219
Ferri, Lorenzo 193
Ferrier, Austin 153
Ferrin, Peter C. 129
Ferrone, Cristina R. 102, 144, 148,
157, 178, 201
Ferrone, Soldano 148, 157
Ferzli, George 159, 217
Fiacco, Anthony J. 166
Fields, Adam C. 126, 154, 164
Fields, Ryan C. 127, 156
Figler, Bradley 213
Figueroa, Cesar 111
Filicori, Filippo 175, 206
Fillion, Michelle 154
Fimpler, Maureen 138
Finck, Christine 174
Fingeret, Abbey 131
Finks, Jonathan F. 137
Finlayson, Emily V. 45, 87, 114,
144, 147
Finlayson, Samuel R. G. 112, 147,
148, 165
Finnerty, Brendan M. 152
Fiorentino, Michele 127
Firriolo, Joseph M. 135, 155, 158,
176, 177, 195
Fischer, John P. 60, 115, 153
Fischer, Laura E. 175
Fischman, Victoria 160

Fish, Laura J. 138
Fisher, Benjamin 168
Fisher, Carla S. 146
Fisher, Jason C. 113, 130, 167
Fisher, Sarah B. 215
Fitzgerald, Tamara N. 125
Fitzgibbons, Robert J. 61
Fitzgibbons, Shima C. 80, 166
Flam, Juliette O. 213
Flannagan, Molly 59
Flaris, Alexandros 179
Fleischer, Brian 147
Fleming, Andrew 151
Fleming, Fergal 133
Fleming, Jason B. 83
Fleming, Martin D. 168, 195, 198
Flentje, Alison O. 177
Fleshman, James 194
Fleshman, James W. 46
Flick, Katelyn 200
Floyd, Morgan 96
Fluck, Marcus 149, 153, 167
Flum, David R. 79, 183
Flynn, Sean 96
Fode, Alexa M. 121
Fofanov, Yuriy 190
Foianini, Jorge E. 161
Foley, David P. 86
Fong, Abigail J. 191
Fong, Zhi Ven 144, 166
Fonseca, Maria C. 159, 160, 174, 182,
191, 210, 216
Fonseca, Ricardo A. 147, 149, 172
Forbes, Thomas L. 116, 118
Ford, Henri R. 40, 102
Forester, Beau 171
Formisano, Giampaolo 212, 221
Forrester, Jared A. 165
Forrester, Joseph D. 55, 143
Forsythe, Raquel M. 70
Fortes, Thais 177
Fortuna, Gerald R., Jr. 62, 149
Fosnot, Joshua 155
Foster, Andrea 171
Foster, Deshka S. 116, 117, 134, 157
Foster, Shannon M. 45
Fox, Charles 155
Fox, Justin P. 163
Fox, Paige M. 134
Fraboni, Francis 151
Fracon, Stefano 125
Francescatti, Amanda 179
Franceschi, Dido 119, 165
Franceschilli, Claudia 187
Francis, Sarah 138
Franco, Elizabeth 149
Francone, Todd D. 60
Frangos, Spiros 117, 181
Franko, Lynze 199
Fransvea, Pietro 172
Fras, Christian I. 116
Fras, Sebastian I. 116
Frazier, Thomas G. 187
Frederick, Peter 218

Freedman, Elizabeth	115	Gallaher, Jared R.	160	Geller, David A.	189, 200
Freeman, Kloe	132	Galusha, Andrew	163	Gennarelli, Renee	170
Freischlag, Julie A.	90, 105, 112	Galvani, Carlos A.	217	Genyk, Yuri S.	121
Freischlag, Kyle W.	111	Galyuk, Volodymyr	164	George, Elizabeth L.	132, 203
Freitas, Derek M.	181	Gambhir, Sahil M.	135, 186, 217	George, Joshua	203
Fremes, Stephen	110	Ganai, Sabha	45	George, Philip E.	215
French, Mackenzie	148	Gandhi, Nipa D.	51	George, Sunil	196
Frey, Mark	139	Gandhi, Rajesh R.	100	Georgiou, Konstantinos	113
Frias, Bernadette	136	Gandhi, Saurabh S.	213	Georgoff, Patrick E.	159
Fried, Gerald M.	37, 38	Gang, Yang	209	Gerber, Michael H.	117
Frieder, Joel S.	115, 160, 182, 189, 191	Ganga, Ramarao	215	Germann, Guenter	158
Friedly, Janna	148	Gani, Faiz	165	Gettman, Matthew T.	147
Friedman, Chloe	117	Ganji, Niloofar	185	Gewertz, Bruce L.	138
Friedman, Danielle	212	Ganly, Ian	177	Geynisman-Tan, Julia	207
Friedman, Jessica	198	Ganta, Niharika	143	Ghaderi, Iman	119, 120, 128, 175
Friedmann, Patricia	163, 184	Gantt, Nancy L.	64, 152	Ghaferi, Amir A.	137
Friis-Andersen, Hans	171	Gao, Xiang	180	Ghamarnejad, Omid	190
Frydrych, Lynn M.	198	Gao, Zhaoya	151	Ghanem, Muhammad	215
Frye, Katlyn	185	Garber, Jason E.	116	Ghanta, Ravi K.	110
Fu, Chih-Yuan	187	Garcia, Alejandro	167	Ghasabyan, Arsen	158
Fu, Weihua	190	Garcia, Elisa I.	167, 185	Ghazi, Ahmed	199
Fuchs, Karl-Hermann	214	Garcia, Esteban	208	Ghincea, Christian V.	111, 193
Fuchshuber, Pascal R.	215, 219	Garcia, Julia T.	195	Ghobrial, Joanna	159
Fujii, Mayo H.	133	Garcia, Julio	113	Gholami, Sepideh	168
Fujita, Shin	151	Garcia, Maxine S.	159	Ghomrawi, Hassan	197
Fujiwara, Yuki	117, 200	Garcia-Aguilar, Julio E.	84	Ghosh, Arundhati	162
Fukumitsu, Ken	211	Garcia Urena, Miguel A.	208	Ghosh, Kanad	153, 195
Fuller, Thomas	150	Garcia Whitlock, Anna E.	131	Gianardi, Desirée	214, 220
Fullerton, David A.	193	Gardner, Aimee K.	154	Giannessi, Sandro	111
Fumanti, Brandon J.	197	Garelli, Andres	220	Gibbons, Alexander T.	217
Funes, David A.	115, 119	Garely, Alan D.	78	Gibbons, Chris	166
Fung, Eleanor C.	56	Garg, Bharti	180	Gibbs, Karen	178, 211
Fung, James	196	Garner, Matthew	199	Gigantelli, James W.	101, 102
Funk, Luke M.	128, 138, 171	Garonzik-Wang, Jacqueline	196	Gilani, Ramyar	95
Furbetta, Niccolò	214, 220	Garrett, Harvey E., Jr.	198	Gilbert, Catherine	151, 199
Furlan, Alessandro	200	Garrett, Kelly A.	218	Gilboa, Eli	180
Furukawa, Kenei	189, 200	Garstka, Meghan E.	135	Giles, Kristina A.	118
Fuxsteiner, Jenifer	179, 189	Garvey, Erin M.	131	Gillespie, Shannon	138
Fyffe-Freil, Ria C.	122	Garvey, Patrick B.	208	Gilliam, Elizabeth A.	121
G		Gasper, Warren J.	147, 163	Gillingham, Akira W.	207
Gabbassova, Sofya	179	Gass, Jennifer S.	61, 63	Gillis, Christopher	118
Gaber, Charles	167	Gaston, Brandon T.	184	Gimble, Jeffrey	196
Gabor, Silvio	201	Gaston, Kris E.	136	Gingrich, Alicia A.	96, 168
Gabriel, Rodney	203	Gauger, Paul G.	151	Ginsburg, Howard	167
Gabrielli, Mauricio	137, 163	Gave, Asaf	181	Ginzburg, Enrique	182, 191
Gach, Tomasz	194	Gavin, Matthew	131	Giordano, Salvatore	116, 153
Gachabayov, Mahir	133, 180, 183, 194, 204	Gavito, Elena L.	79	Giovannetti, Andres	189, 211
Gadepalli, Samir K.	54, 130	Gavzy, Samuel	196	Gipson, Jon L.	168
Gaertner, Wolfgang	142	Gawande, Atul A.	112	Giri, Bhuwan	133
Gafni, Amiram	151	Gayer, Christopher P.	134, 139	Giri, Vinay K.	122
Gagliano, Ronald	146	Gazyakan, Emre	158	Gisore, Violet M.	125, 161
Gagner, Michel	210	Ge, Bin	150	Giudici, Maria P.	172
Gaines, Barbara A.	90, 91, 104, 130, 216	Ge, Guanghui	163, 200	Giugliano, Danica N.	151
Gaitán, Hernando G.	172	Ge, Liang	110	Giuliani, Giuseppe	212, 221
Gajdos, Csaba	182	Ge, Shaokui	182	Giuliano, Armando E.	38, 123, 187
Galbut, David	124	Geary, Alaina D.	167	Giulianotti, Pier C.	207, 210, 221
Galicia, Rommel M.	214	Gebeyehu, Natnael	165	Givi, Babak	129
Galindo, Rodolfo	144	Gee, Denise W.	188	Glaser, Jacob J.	59, 62
Galivanche, Anoop R.	116	Gee, Kristin M.	167, 200	Glasgow, Amy E.	147
Gallagher, Kristalyn K.	63, 94, 145, 152	Geers, Joachim	218	Glasgow, Robert E.	118, 147, 148
		Geftter, Liana	75	Glassman, Deborah	150
		Geiger, Elisabeth	157	Glazer, Evan S.	151, 152, 167, 168, 190, 195, 198
		Geisel, Lauren E.	138, 165	Glazier, Alison	121, 139
		Gelbard, Rondi B.	43, 136		

Gleason, Michael F.	132, 144	Gore, John	150	Grigorian, Areg	117, 135, 145, 192
Gleeson, Elizabeth M.	121, 130	Gorecka, Jolanta R.	163	Grikscheit, Tracy C.	121
Glehen, Olivier	83	Gorgun, Emre	51, 59, 60, 146, 151, 180, 194, 218	Grimm, Leander	218
Gleisner, Ana	117	Gori, Alice	187, 219	Grinstaff, Mark W.	117
Glembot, Troy	185	Gorroochurn, Prakash	133, 180	Groenewald, Johann	160
Glenn, Alexandria Conley	120	Gosain, Arun K.	85	Grogan, Eric L.	165
Glenn, Ian C.	174	Goshima, Kay	141	Grogan, Raymon H.	58, 59, 100
Glickman, Jonathan	129	Goslin, Brent	186	Grose, Elysia	134
Glocker, Roan J.	118	Gosnell, Jessica E.	128	Grosfeld, Eline-Claire	202
Glotzbach, Jason P.	124	Goss, Jeremy A.	116, 134, 153, 157	Gross, Cary	193
Glotzer, Owen	96	Gott, Melissa L.	159	Gross, Daniel	176
Glousman, Brandon N.	163	Gotze, Jens P.	193	Gross, Kirby R.	112, 113
Go, Catherine	154, 188	Gough, Benjamin L.	136	Gross, Ronald I.	45
Gocho, Takeshi	189	Gould, Jon C.	107	Grossman, Michael D.	197
Godat, Laura N.	45	Gould, Lisa J.	81	Grover, Amelia C.	104
Godfrey, Martha	200	Gourgiotis, Stavros	143, 187	Grover, Karan	131
Goel, Neha	119, 133, 135, 146, 165	Gouvea Monteiro de Camargo, Mariane	180, 194	Grubbs, Elizabeth G.	104
Goergen, Martine	221	Goyal, Amit	213	Grubbs, Jordan	183
Goes, Adenauer M.	102	Goyal, Anshit	115	Grubic, Andrew	113
Goffredo, Paolo	180	Goyal, Munish	166	Grumley, Janie	187
Gogna, Shekhar	194, 204	Grabo, Daniel J., Jr.	55, 122	Grünberger, Thomas	157, 179, 189
Goh, Brian K.	102	Grabski, David F.	164	Grunzweig, Katherine	157
Gold, Jason S.	120, 189, 194	Graham, Ada E.	133	Gu, Chu-Shu	151
Goldberg, Dena	130	Graham, John N., Jr.	213	Gu, Jin	151
Goldberg, Drew W.	177	Graham, Laura A.	147	Gu, Yangping	175
Goldberg, Joel E.	164	Graham, Nathan J.	159	Guadagni, Simone	214, 220
Goldberg, Michael	191	Graham, Paul H.	65	Guarrera, James	196
Goldberg, Natalia	190	Granoff, Melisa D.	118	Güemes, Antonio	178
Goldblatt, Matthew I.	182	Grant, Jennifer	172	Guenther, Axel	163
Golden, Jamie	174	Grant, Scott B.	101, 114	Guerrero, Marlon	162
Goldenberg, Mitchell	127	Grant, Wendy J.	140	Guerrero, Whitney	151
Goldman, Stephen	113	Grantcharov, Teodor P.	127, 134, 137, 163, 165, 166	Guerrini, Gian Piero	220
Goldstein, Allan M.	205	Grauer, Jonathan N.	116	Guerron, A. Daniel	159, 175, 208, 216
Goldstein, Seth	130	Gray, Brian W.	166, 167	Guerrero, Veronica	189
Goldstone, Robert N.	148, 166	Gray, Katherine D.	140, 158, 193	Guevara Valmana, Osvaldo I.	188, 195
Goldstone, Stephen E.	66	Gray, Stephanie	196	Guidetti, Cristiano	96, 220
Golob, Joseph F.	203	Greco, Laura	162	Guidry, Chrissy	175, 187
Gologorsky, Rebecca C.	147, 153, 158, 164, 200, 210	Green, Charles	169	Guillamondegui, Oscar D.	64, 68, 114
Golsham, Mehra	176	Green, Heather	142	Gulle, Heinz	198
Gomella, Leonard	150	Green, Lauren M.	145	Günal, Ömer	175, 206
Gomes, Carlos Manoel P. P.	220	Greenbaum, Alissa	161	Gunaseelan, Vidhya	133
Gomes, Danila	219	Greenberg, Caprice	200	Gundlapalli, Adi V.	148, 165
Gondal, Amlish B.	119, 120, 128, 175	Greenberg, Jacob A.	79, 113, 119, 171, 200	Guneseekara, Mahanama	44
Gondwe, Jotham	126	Greenberg, Patricia	176	Gunter, Oliver L.	72, 76, 105, 114
Gonong, Patrick Adrian G.	123	Greene, Arin K.	116, 134, 153, 157	Gunter, Rebecca L.	88
Gontarz, Brendan R.	169, 181	Greene, Elizabeth D.	201	Guo, Michael Y.	177
Gonzales, Christopher	176	Greene, Kirsten L.	75	Gupta, Aakanksha	113
Gonzalez, Candace	182	Greenspon, Jose	174, 217	Gupta, Avni	131
Gonzalez, Daisy	195	Greenstein, Alexander J.	142, 150	Gupta, Nikhil	102
Gonzalez, Dani O.	166	Greenup, Rachel A.	138	Gupta, Nikita	157
Gonzalez, Jairo	219	Gregory, Megan	177	Gupta, Rajan	66
Gonzalez, Luis	163	Greiffenstein, Patrick	115	Gupta, Shailvi	126, 164
Gonzalez, Raquel	166	Grenon, S. Marlene	163	Gupta, Vishal	44, 102, 161
Gooding, William E.	117	Grewal, Harsh	185	Gurien, Steven D.	186
Goodman, Brian	193	Gribovskaja-Rupp, Irena	120	Gurland, Brooke H.	93, 151
Goodman, Michael	145	Gries, Lynn M.	116, 124, 144, 150, 154, 155, 169, 176, 181	Gurtner, Geoffrey C.	134, 157
Goodney, Philip P.	118	Griffin, Lance W.	161	Gutierrez, David	115
Gopal, Satish	173	Griffiths, Christopher	151	Gutierrez, Ivan M.	112, 113
Goparaju, Anirudha	147, 174	Grignol, Valerie P.	107, 127	Guyton, Kristina L.	215
Goranta, Sowmya	155			Guzmán, Yoelimar	133, 146, 194
Gordillo, Gayle M.	81			Györi, Georg	140
Gordillo Andrade, Luis F.	188				
Gore, Ankita	148				

H

Ha, Derrick	167	Hanna, Kamil	116, 124, 130, 141, 144, 150, 151, 154, 155, 169, 176, 181, 186	Hassanein, Wessam	196
Ha, Neul	149	Hannan, Catherine M.	208	Hatchimonji, Justin S.	124, 125, 143
Haac, Bryce E.	198	Hanrahan, John G.	122	Hatton, Gabrielle E.	143, 197
Haberal, Mehmet A.	123, 142, 191, 203	Hanrahan, Lawrence P.	138	Haugen, Christine	196
Haberal, Nihan	123	Hans, Sachinder S.	212, 218	Haut, Elliott R.	181
Habermann, Elizabeth B.	115, 147, 186	Hansen, Andrew	148	Hawkins, Alexander T.	107, 165
Habteyohannes, Tadesse	165	Hanson, Martin	177	Hawkins, Russell B.	96
Hacker, Stefan	157	Hanyu, Takaaki	135	Hawkins, Samuel	181
Hackl, Matthias	157	Haque, Mohamad I.	62	Hawks, Charlotte	115, 201
Haddad, Diane N.	112, 165	Hara, Kiyoka	183	Hawn, Mary T.	126, 147
Haddad, Fuad	166	Harada, Atsushi	173	Hayanga, Heather K.	193
Haddad, Riad	190	Harbaugh, Calista	130	Hayanga, J. W. Awori	193
Haddadin, Zaid	116, 124, 130, 144, 150, 154, 169, 181	Harbison, Gregory J.	180	Hayden, Dana M.	72, 177, 183
Hagen, Catherine	135	Harbrecht, Brian	117	Haynes, Alex B.	112, 162
Haggerty, Stephen	171	Hardwick, Richard H.	143	Hayon, Solomon	136
Hagglund, Karen	126	Hardy, Kristen M.	195, 197	Hays, Ron D.	112
Haggstrom, David A.	146	Hardy, Margaret	143	Hayson, Aaron	219
Haghighi, Kayvon	176	Harirugsakul, Kawinthat	200	Hayward, Thomas Z., III	200
Haglin, Jack	157, 201	Harkins, Gerald	75	He, Hao	158
Hahn, Sue J.	214	Harmon, Duncan	148	He, Jin	156, 201
Hai, Shaikh A.	169, 181, 185, 187, 192, 203	Harmon, John W.	134	He, Lan	159
Haider, Adil H.	106, 166	Harms, Bruce	178	He, Yulong	143
Haider, Ansab A.	176	Harness, Jay K.	65	Healey, Patrick J.	114
Haines, Krista	171, 192	Harnsberger, Cristina R.	111, 120, 191	Hebballi, Nutan B.	167
Hajirawala, Luv	151	Haro, Greg J.	110, 158	Hechenbleikner, Elizabeth	215
Hakakian, Daniel	169	Harpain, Lucie	157	Hechi, Majed El.	187
Hale, Diane	148	Harper, Brittany	161	Hedayati, Nasim	64
Halevi, Alexandra E.	135	Harrell, Camden	185	Hedges, Elizabeth A.	210
Hall, Bradley R.	145	Harrington, David T.	88, 89, 173	Heffernan, Daithi S.	158
Hall, Jason F.	72, 194	Harrington, Emma	148	Heflin, Mitchell T.	143
Haller, Amy L.	189	Harrington, Kristin	121	Heid, Christopher A.	172
Haller, Carolyn	163	Harris, Andrew	184	Heidenreich, Bethany M.	192
Halpern, Jennifer L.	190	Harris, Charles	175	Heiler, Joe	162
Halverson, Amy L.	39, 126, 132	Harris, Courtney J.	174, 185	Helgstrand, Frederik	171
Hamad, Giselle G.	189	Harris, Hobart W.	126, 156, 202	Helmkamp, Joshua	164
Hamed, Osama H. M.	207	Harris, Jessica C.	118	Helmkrath, Michael A.	94
Hamidi, Mohammad K.	116, 124, 130, 141, 144, 150, 151, 154, 155, 169, 176, 181	Harris, Kevin	186	Helton, Scott	206
Hamill, Mark E.	138	Harris, William N.	136	Hemington-Gorse, Sarah	199
Hamilton, John F.	209	Harrison, Ewen	165	Hemmila, Mark R.	172
Hamilton, Nicholas	130	Harrison, Michael	210	Henderson, William G.	119, 132
Hammermeister, Karl E.	119, 132	Hart, Catherine K.	213	Hendren, Samantha K.	84, 120
Hammill, Chet	207	Harth, Karem C.	141	Hendrick, Leah E.	151, 198
Hampton, John	188	Harting, Matthew T.	80, 185	Hendrickson, Carolyn M.	198
Hamura, Ryoga	189	Hartley, Wayne	52	Hendrickson, Richard J.	64
Han, Kelsey R.	117	Hartwell, Jennifer L.	47	Hendrix, Ryan J.	162
Han, Song	117	Haruki, Koichiro	200	Heng, Marilyn	148
Han, Xiaoxia	127, 149	Harumatsu, Toshio	174	Heniford, B. Todd	43, 207, 212
Hancock, Kevin	190	Harutyunyan, Nika M.	173	Henn, Dominic	135, 158
Hancock, Wayne	163, 200	Harvey, Alexis R.	203	Hennessy, Sara A.	55, 56, 172
Hande Aydinli, H.	180	Harvey, Donald J.	212	Henrique, Juliana	115, 191
Handy, Kevin G.	129	Harvey, Ellen M.	132	Henry, Abigail L.	190
Hanks, John B.	65, 94, 95, 103	Harvey, R. Donald, III	136	Henry, Antonia J.	99
Hanlon, Bret M.	114	Harvin, John A.	46, 169, 197	Henry, Jaymie A.	100, 165
Hanna, John P.	182	Harzman, Alan E.	113, 154, 177	Henry, Marion C.	68, 162
Hanna, Joseph	148	Hasan, Ahmad	212	Henry, Mark	136
		Hasan, Mohamed	197	Henry, Pamela D.	149
		Hasegawa, Jason	163, 184	Henry, Reynold	145, 198
		Haskins, Ivy N.	207, 211	Henry, Sharon M.	66, 89
		Hasko, Gyorgy	131	Henry-Tillman, Ronda S.	61, 63
		Hassan, Imran	180, 218	Hensel, Caitlin	137
		Hassanein, Aladdin H.	153, 208	Herb, Joshua	138
		Hassanein, Mohamed	129	Hernan, Correa	185
				Hernandez, J. Andres	153
				Hernandez, Matthew C.	138, 165

Hernandez, Paul J.	163, 200	Hollands, Celeste M.	81	Hu, Rey-Heng	178
Heron, Charlotte H.	111	Hollenbeck, Scott T.	138	Hu, Yinin	127, 170
Herrera-Escobar, Juan P.	117	Holmes, Dennis R.	61, 63	Hu, Yue-Yung	69, 154
Herrera Gomez, Laura C.	152	Holmes, Sari D.	193	Huang, Cassie Y.	155, 187
Herrera-Nicol, Sarah	115	Holmstrom, Amy L.	126	Huang, Emily J.	112
Herrin, Jeph	193	Holscher, Courtenay	196	Huang, Emily S.	131
Herron, Daniel M.	206, 215	Holt, Danielle B.	113	Huang, Eunice Y.	173, 185
Herron, Robert	193	Holubar, Stefan D.	75	Huang, Julian K.	116
Heshmati, Keyvan	128	Holzmacher, Jeremy L.	174	Huang, Li-Ching	115, 156, 182
Heslin, Kathleen P.	153	Hong, Cierra	122	Huang, Lyen C.	118, 119
Heslin, Kayla	146	Hong, Gordon	136, 150	Huang, Paul P.	117
Hester, Caitlin A.	97, 172, 190, 209	Hong, Helena Y.	154	Huang, Raymond	176
Hester, Vaughn	100	Hong, Julie	153	Hubbard, Jennifer	110
Hetherington, Timothy	125	Hong, Seong Im	173	Huber, Tobias	122
Hiatt, Tadd	120	Hoof, Marcus	129, 187	Hubert, Hackl	157
Hickerson, Annelies T.	148	Hoogerboord, Marius	169	Hubert, James	194
Hicks, Caitlin	184	Hope, William W.	61, 154	Huckels, Jill	146
Hiebert, Jake	177	Hopkins, Kayla S.	136	Huda, Farhanul	202
Hieken, Tina J.	190	Hopkins, Luke	158, 179, 188, 199, 200	Hueman, Matthew	113
Higgins, John P.	190	Hoppe, Beckie L.	172	Huffman, Elizabeth M.	126, 178
Hijikata, Yousuke	178	Hoppo, Toshitaka	137	Hughes, Amanda E.	164
Hildreth, Amy N.	102	Hordines, John C.	202	Hughes, Byron D.	188
Hiles, Jason M.	71	Horgan, Santiago	206, 214, 216	Hughes, David	58, 151
Hill, Christine	155	Hornor, Melissa A.	138, 144, 197	Hughes, Kakra	160
Hill, Hayden M.	136, 201	Horodyski, Laura A.	201	Hughes, Marybeth S.	145
Hill, Maureen V.	168, 180	Horsch, Miriam	158	Hughes, Steven J.	72, 103, 117
Hill, Susanna S.	111, 120, 191	Horsley, Ryan	206	Hughes, Tasha	135, 155
Hiller, Dennis F.	177	Horwood, Chelsea R.	212	Hughes, Tyler G.	74, 99
Hillerbrand, Noah J.	125	Hosfield, Brian	122	Hui, Jane Y. C.	149, 190
Hillingsoe, Jens	190	Hoshi, Hisakazu	76, 88	Hulka, Frieda M.	185
Hilton, Sarah A.	139, 147, 155, 173	Hoshino, Akihiro	188	Hull, Tracy L.	146, 180, 194
Himmler, Amber N.	173	Hosokawa, Yuichi	178	Humayon, Shabana	153
Hindmarsh, Andrew	143	Hosseini, Hadi S.	139	Hummel, Lena A.	129, 187
Hines, Eric M.	119, 120, 128, 175	Hoth, Jason	145, 203	Humphrey, David A.	182
Hink, Ashley	107	Hou, Wei	195	Humphries, Misty D.	163, 184
Hinojosa, Marcelo W.	186, 207, 217	Hou, Xun	143	Hundeyin, Mautin	117
Hirano, Yasumitsu	183	Houghton, Sean	170	Hung, Ya-Ching	123, 196, 197
Hirche, Christoph	158	House, Michael G.	49, 161, 200	Hungness, Eric S.	54, 84, 85, 87, 126
Hirji, Sameer A.	111, 124, 172, 193, 198, 203	Howard, David H.	142	Hunt, E. Woodrow	85
Hirose, Kenzo	120, 168	Howard, Jason F.	190	Hunt, Megan F.	136
Hirose, Shinjiro	80	Howards, Stuart S.	201	Hunt, Trevor C.	138, 165
Ho, Helen Y.	199	Howe, James R.	107	Hunter, Catherine J.	91, 139
Ho, Karen J.	162	Howell, Elizabeth	122	Hunter, Jeffrey A.	128
Ho, Ming-Chih	178	Howell, Melanie H.	154	Hunter, John D., III	218
Ho, Vanessa P.	165, 203	Howell, Raelina S.	143, 174	Hunter, John G.	92
Hoag, Jessica R.	138	Hoyt, David B.	34, 38, 131, 166	Huntoon, Lawrence R.	86
Hobbs, Laura K.	157	Hrabe, Jennifer E.	60, 120, 180	Hur, Jaewon	133
Hochman, Beth	131	Hsia, Henry	163	Hurst, Roger	147
Hocking, Kyle	191	Hsieh, Christine	131, 151	Husain, Sharmeen	156
Hockman, Lukas	213	Hsieh, John C.	202	Hussain, Farhan	184
Hodgdon, Ian	115	Hsu, Chun Chuan	190	Hussain, Mazher S.	190
Hodgman, Erica	174	Hsu, Jeffrey H.	118	Hussain, Mohamad A.	116, 118
Hoehn, Melanie R.	49	Hsu, Jeremy M.	102	Hussain, Sabiha	122
Hoel, Andrew W.	183	Hsu, Meier	140, 158	Hussaini, Adnan S.	112, 213
Hoffman, Autumn L.	136	Hsu, Willie	190	Huston, Tara	153
Hoffman, Rebecca	77, 105	Hsu, Yu-Tien	123, 196, 197	Huston-Paterson, Hattie	143
Hoffman-Beard, Jessica	86	Hu, Andrew	167	Hutchens, Michael	175
Hofstetter, Wayne L.	84	Hu, Chung-Yuan	179	Hutchinson, Chelsea	138
Hohmann, Samuel F.	144	Hu, Hsou Mei	196	Huy, Tess	217
Hojilla, J. Carlo C.	153	Hu, Jinwei	172	Huynh, Tam T.	89, 90, 218
Holder-Murray, Jennifer M.	146	Hu, Junyi	139, 147, 155	Huynh, Toan T.	135
Holena, Daniel N.	112, 124, 125	Hu, Lina	103	Huyser, Michelle	200
Holihan, Julie	115	Hu, Michael S.	134	Hwang, Christine S.	140
		Hu, Parker J.	192	Hwang, Duk Yeon	194

Hwang, Richard Y.	152
Hyde, Samuel	104
Hyer, James M.	112, 130
Hyer, J. Madison	165, 179
Hyslop, Terry	129
Hyun, Jeong S.	217
Hyung, Woo Jin	220

I

Iadarola, Roberta	219
Iannettoni, Mark D.	212
Iannuzzi, James C.	147, 163, 184
Ichikawa, Hiroshi	135
Idachaba, Samuel	171
Idrees, Kamran	52, 144
Ieiri, Satoshi	174
Igarashi, Kazuharu	220
Ignacio, Romeo C.	112, 113, 160
Ignatoff, Jeffrey	137
Ikegaki, Naohiko	121
Ikeno, Yuki	111
Ikoma, Naruhiko	84, 191
Ilahi, Obeid	147
Iles, Kathleen	145
Imai, Taryne A.	140, 170, 199
Imeokparia, Folasade	145
Inaba, Kazuki	167
Inaba, Kenji	45, 106, 145, 171, 198
Inabnet, William B., III	58, 205, 214
Inchiosa, Mario A.	203
Inciardi, Marc	124
Inge, Thomas H.	173
Ingersol, Clinton	143
Ingraham, Angela M.	124
Inoue, Yosuke	211
Ioannidis, Orestis	111
Irani, Jennifer L.	164
Irish, William	123, 138, 165
Irwin, Chetan	178
Isaac, Marckenley	198
Isaji, Toshihiko	163
Isbell, Claire L.	154
Isbell, James M.	74, 93, 140, 158
Isbell, Kayla D.	169
Isenberg, Gerald A.	44
Ishida, Yuichi	189
Ishii, Takamichi	121, 211
Ishikawa, Takashi	135
Ishizaki, Tetsuo	151
Isik, Arda	123
Iskerkiy, Anton	148
Islam, Kazi	115
Islam, Mahee	116
Israel, Irene	154
Issa, Nabil	131
Issac, Aaron	195
Itani, Kamal M.	46, 85
Ito, Hiromichi	211
Ito, Masaaki	53, 151
Ito, Takashi	211
Ituarte, Philip H. G.	152, 168
Ivanics, Tommy	127, 149
Ivatury, Srinivas J.	142

Ives, Amy	115
Iwamura, Sena	141, 196

J

Jablons, David M.	158
Jacks, Boma E.	182
Jacks, Danielle	198
Jackson, John D.	123, 196
Jackson, Jordan	217
Jackson, Katherine	199
Jackson, Kyle R.	196
Jackson, Margaret	174
Jacob, Brian P.	60, 100
Jacobs, Alexandra	118
Jacobs, Chris	183
Jacobs, Elizabeth A.	111
Jacobs, Ian N.	83
Jacobs, Lenworth M., Jr.	67
Jacobs, Michael J.	221
Jacobs, Taylor H.	176
Jacobsen, Garth R.	206, 214, 216
Jadhav, Shekhar	213
Jafri, Mubeen	130
Jagpal, Sugeet	122
Jain, Ankit	207
Jain, Ishaan	116
Jain, Kunal S.	213
Jain, Samay	202
Jajja, Mohammad Raheel	96, 135, 144
Jalal, Kabir	172
Jalfon, Michael J.	167, 195
Jalilvand, Anahita D.	120
Jalloh, Samba	126, 181
Jambhekar, Amani	126
Jameison, Danielle I.	145
James, Benjamin C.	188
James, Bradford L. W.	136
James, Patricia A.	199
James, Sheridan	162
James, Taylor	124, 145, 146
Jameson Wier, Alyssa	210
Jamplis, Robert	162
Janeway, Megan G.	181
Jani, Pankaj G.	44
Janjua, Haroon C.	120, 144
Jansen, Jan	175, 192
Jansen, John A.	202
Janssen, Pierce	195
Januszyk, Michael	134
Jarboe, Marcus D.	54
Jarman, Benjamin T.	89
Jarman, Molly	199
Jaroszewski, Dawn E.	64
Jatana, Kris R.	83
Jawad, Muhammad A.	210
Jayaraman, Shyam S.	96
Jayaraman, Sudha P.	44, 68, 125, 160, 192, 204
Jayaraman, Vijay	181
Jazzar, Usama	150
Jean, Raymond	193
Jeffrey, Stefanie S.	74
Jehan, Faisal S.	192, 204

Jeng, James C.	81
Jenkins, Arthur L., III	115, 201
Jenkins, Donald H.	138
Jenq, Wesley	149
Jensen, Aaron R.	90
Jensen, Christine C.	142
Jensen, Christopher	190
Jensen, Christopher W.	144
Jensen, Eric H.	190
Jensen, Todd	174
Jenson, Whitney R.	161
Jeong, Kristin	148
Jeon-Slaughter, Haekyung	162
Jeruss, Jacqueline S.	145, 155
Jesneck, Jonathan	113
Jewell, Elizabeth S.	198
Jezioreczak, Paul	217
Jhaji, Sandeep	141
Jhamb, Satvik	218
Ji, Dengbo	151
Ji, Lunan	201
Jia, Hongpeng	139
Jiang, Boxiang	158
Jiang, Xiuyun	149
Jiangdong, Qiu	209
Jie, Tun B.	129
Jimenez, Maria F.	92
Jin, Judy	151
Jin, Yan	156
Jing, Bocheng	144
Jinno, Hiromitsu	176
Jobe, Blair A.	137
Jochum, Sarah B.	177, 183
Joglar, Fernando L.	62
Johannesson, Liza	114, 141, 207
Johnson, Anna Rose	118
Johnson, Brittany	167
Johnson, Emily	127
Johnson, Helen M.	155
Johnson, Jake	198
Johnson, Julie K.	132, 154
Johnson, Matthew	169
Johnson, M. Austin	62
Johnson, Ronald R.	74
Johnson, Ryan	171, 191, 202
Johnson, Tyler	131
Johnston, Peter	126
Jones, Caitlin	211
Jones, David R.	140, 158, 193
Jones, Ethan	133
Jones, Ian F.	137
Jones, Kenneth L.	158
Jones, Ruth E.	114, 116, 117, 134, 157, 167, 200, 203
Jordan, Andrea A. Hayes	91
Jordan, Jeffrey M.	172
Jordan, Sean A.	212
Jordan, Sheryl G.	173
Jorgensen, Lars N.	171
Jose, Winni	117
Joseph, Bellal	72, 107, 116, 124, 130, 144, 150, 151, 154, 155, 169, 176, 181
Joseph, Kathie-Ann P.	138

Joshi, Shiksha	119, 210
Josse, Jonathan	221
Jowett, Nathan T. P.	80
Joyce, David L.	110
Joyce, Lyle D.	110
Jreige, Nina	181
Ju, Young Min	196
Juang, David	217
Judge, Joshua M.	153
Juillard, Catherine J.	92, 125
Junca, Edgar G.	172
Jung, James J.	127, 134, 137, 163, 165, 166
Jung, Sarah J.	113, 200
Juo, Yen-Yi	206, 207
Jupiter, Daniel	161
Jureller, Michael	149
Jurich, Mira A.	162
Justu, Sarah-Ethel	187
Juthani, Biren	208
Jutla, Jaswinder	187
Juza, Ryan M.	56

K

Kaafarani, Haytham M. A.	117, 133, 143, 149, 187
Kaban, Jody M.	149, 212
Kabarriti, Abdo	213
Kadakia, Nikita	182
Kadison, Alan S.	190
Kafai, Natasha M.	154
Kahl, Amanda R.	180
Kahraman, Mustafa	135
Kahramangil, Bora	156
Kahrig, Kristen	199
Kaido, Kojiro	211
Kaido, Toshimi	121, 141, 196
Kaiser, Andreas M.	51
Kaji, Tatsuru	174
Kajmoli, Agon	133, 180, 183
Kajombo, Chifundo	173
Kakembo, Nasser	125, 164, 173
Kakuturu, Jahnavi	119
Kalabin, Aleksandr	186
Kalady, Matthew F.	87, 108, 180, 189, 194
Kalbaugh, Corey A.	163
Kaldjian, Lauris C.	114
Kalles, Vasileios	180
Kallies, Kara J.	128
Kallis, Michelle P.	96, 121, 174
Kalmar, Christopher L.	210
Kalsbeek, Anya	212
Kamal, Maahum	150
Kameyama, Hitoshi	135
Kamo, Naoko	141, 196
Kandagatla, Pridvi	155
Kandil, Emad	129, 135, 152, 179, 215
Kane, John M.	88
Kane, Timothy D.	166, 174, 185, 203
Kaneko, Tsuyoshi	124, 193, 198
Kanemitsu, Yukihide	151
Kang, Paul	174

Kannan, Kolenkode	131, 159
Kansal, Rita S.	190
Kantas, Alexandros	219
Kanth, Aditi M.	157
Kao, Lillian S.	115, 143, 169, 197
Kapadia, Kailash	153
Kapadia, Meera	144
Kapadia, Muneera R.	120
Kaphingst, Kimberly A.	119
Kapil, Aditi	59
Kaplan, Brian	191
Kaplan, David L.	121
Kaplan, Lewis J.	48, 108, 143
Kapoor, Vinay K.	161
Karadas, Mustafa	201
Karakaya, Emre	142
Karakousis, Giorgos C.	133, 167
Karanicolas, Paul	156
Karataş, Sabri A.	175, 206
Karcz, Adam	166
Karhadkar, Sunil	121
Karlovic, Damir	180
Karlson, Karl J.	193
Karni, Ron J.	213
Karp, Seth J.	86, 114
Kartik, Akshara	148
Kasai, Yosuke	168
Kaseje, Neema C.	44, 125, 161
Kasheem, Mohammed A.	141
Kashtan, Hanoch	190
Kashyap, Vikram S.	118, 122, 141, 162
Kasotakis, George	171, 192
Kassam, Al-Faraaz	123, 159, 164
Kassam, Hussein	118
Kasten, Kevin R.	180
Kastenbergs, Zachary J.	130
Kata, Anna	114
Katsumata, Kenji	151
Katsuta, Eriko	124, 157, 188
Katz, Danielle A.	116
Katz, Matthew H.	46
Kaufman, Cary S.	63, 155
Kaufman, Elinore J.	124, 125
Kaups, Krista L.	80, 203
Kaur, Navpreet	121
Kaur, Roma	133
Kaur, Sandeep	166
Kauta, Ntambue J.	160
Kavantzis, Nick	179
Kavic, Stephen M.	177
Kawabori, Masashi	193
Kawak, Samer	217
Kay, Danielle	133
Kayal, Maia	142, 150
Kayhan, Zeynep	201, 203
Kayssi, Ahmed	116, 118
Kazantsev, George	200
Kazi, Daanish	209, 216
Kebebew, Electron	104, 129, 152
Keech, John	158
Keeley, Luke	123, 187
Keeney, Laura K.	160, 170
Keeney-Bonhronne, Toby P.	158, 198
Kelher, Marguerite R.	110, 158

Kelleher, Cassandra M.	132
Keller, Andreas	135
Keller, Deborah S.	120, 133, 146, 180
Kelley-Quon, Lorraine	132
Kellogg, Todd A.	186
Kelly, Kristin N.	119, 135, 146, 165
Kelly-Schuetten, Kathrine A.	122
Kelz, Rachel	132, 133
Kemp, Sarah	162
Kendrick, Michael L.	186
Kenerson, Heidi K.	148
Kennedy, Aimee	213
Kennedy, Gregory D.	77, 132, 144
Kennedy, Gregory T.	155
Kennedy, John S.	58
Kennedy, Tyler	162
Kennedy-Rea, Stephenie	197
Kenney, Pardon R.	171
Kent, Amie J.	140
Kent, Kenneth C.	68
Kenton, Kimberly	207
Kerby, Emily	212
Kerby, Jeffrey D.	45, 46, 192
Kernahan, Peter J.	36
Kernstine, Kemp H.	212
Kerr, Preston S.	150
Kerr-Romano, Jeramie P.	164
Keshava, Hari B.	96
Kesmodel, Susan B.	87, 119, 165
Kessler, Hermann P.	180, 194, 218
Keswani, Sundeep G.	121
Ketteler, Erika R.	100, 101
Keutgen, Xavier M.	152
Keys, Kari A.	148
Khadaroo, Rachel G.	75
Khaitan, Leena	56, 92, 210, 216
Khaitov, Sergey	142, 150
Khajeh, Elias	190
Khan, Abid D.	149
Khan, Muhammad N.	192, 204
Khan, Muhammad Sohaib	164, 173
Khan, Renny	173
Khan, Sadaf	173
Khan, Sami	153
Khan, Sidrah	174
Khandelwal, Saurabh	128
Khanipov, Kamil	190
Kharazi, Alexandra	212
Khetan, Prerna	134, 142, 150, 172
Khil, Alina	168
Khokar, Amna	128
Khoraki, Jad	136, 137, 206
Khorfan, Rhani	131
Khorgami, Zhamak	175
Khosrawipour, Tanja	111, 202
Khosrawipour, Veria	111, 202
Khoury, Leen	181
Khoury, Mitri K.	172, 183
Khrucharoen, Usah	206, 207
Khusid, Jonathan	213
Kianmajd, Majid	206, 209, 214
Kibbe, Melina R.	81, 118, 163
Kiely, James M.	120, 146, 180
Kiernan, Aoife	218

Kiesha, Fraser-Doh	149	Klein, Michael	117, 181	Korndorffer, James R., Jr.	126, 131, 179
Kiguchi, Misaki W.	115	Kleiner, Daniel E.	208, 209	Kornprat, Peter	121, 179
Kikuchi, Kenji	167	Kleuebro, Fredrik	149, 193	Koroye, Oyintonbra F.	103
Kilbane, Molly	144	Klimberg, V. Suzanne	61, 63, 108, 190	Kortlever, Joost	114
Kim, Anthony W.	193	Kline, Bryan	133	Kose, Emin	156
Kim, Dennis Y.	54, 85, 114, 145	Kline, Merisa	131	Kosiorek, Heidi	146
Kim, Eugene S.	139	Klingensmith, Mary E.	81, 162	Kosmoliaptsis, Vasilis	141
Kim, Gina	212	Klinger, Carsten	122	Kostopanagiotou, Konstantinos	102
Kim, Grace E.	168	Klipowicz, Caleb J.	114, 185	Kotamarti, Srinath	213
Kim, Hoon Yub	58, 59	Klonoski, Samuel	139	Kothari, Shanu N.	128
Kim, Ickhee	196	Klune, John R.	162	Koti, Shruti	190
Kim, Irene K.	86	Klutts, Garrett	96	Kouzov, Teodor	187
Kim, Jennie	122	Kneser, Ulrich	135, 158	Kovach, Stephen J., III	153
Kim, Ji Hoon	194	Kneuert, Peter	140, 212	Kovar, Alexandra	117, 146
Kim, Karen M.	35	Kniazeva, Polina	188	Koyama, Motoi	168
Kim, Lawrence T.	57, 58	Knol, Joep	53	Kozak, Geoffrey M.	115, 153
Kim, Mirhee	117	Knott, Philip D.	80	Krainara, Pawan	103
Kim, Peter K.	155	Knowlton, Lisa M.	55, 143, 145, 197	Kram, Jessica J. F.	146
Kim, Phillip	210	Knudson, M. Margaret	40, 71	Kramer, Kristina Z.	159
Kim, Samuel	216	Ko, Clifford Y.	78, 144	Krane, Mukta K.	150
Kim, Sinae	153	Ko, Emily	201	Kratz, Johannes R.	158
Kim, Sooyeon	162	Ko, Tien C.	115, 143	Krebs, Elizabeth D.	165
Kim, Steven C.	144, 178	Ko, Victoria	139	Krebs, Melissa D.	147
Kim, Sunghoon	217	Ko, Yoo-Joung	156	Kreiner, Laura A.	169
Kim, Teresa S.	148, 149	Kobayashi, Atsushi	189	Kreis, Martin E.	120
Kimble, Amy	174	Kobayashi, Hiroyuki	203	Kreuser, Shannon A.	148
Kimbrough, Charles W.	127	Kobayashi, Takashi	135	Kreutzer, Lindsey	132
Kimbrough, Mary K.	89	Kobetz, Erin N.	119, 165	Krikhely, Abraham	156
Kimelman, Francesca	192	Kochar, Kunal	180	Krishna, Murali C.	157
Kimyaghalam, Ali	194	Kocher, Nicole K.	159	Krishnamurthy, Vikram D.	151
Kin, Cindy J.	87, 138, 146, 151	Kochkodan, Jeanne	155	Krishnaswami, Sanjay	130
Kincaid, Jennifer A.	125, 126, 173	Köditz, Christoph	140, 179, 189	Kroh, Matthew D.	137
Kindel, Tammy	119	Koeck, Emily	159	Kron, Irving L.	124
Kindell, Daniel G.	163	Koehler, Steven M.	202	Krpata, David M.	60, 79, 115, 156, 170, 171, 191, 208, 211
King, Alexander H.	118, 141	Koelper, Nathanael	201	Krsul, Dorian	180
King, David R.	187	Kohut, Lauryn K.	132	Krumeich, Lauren N.	127, 163, 200
Kingham, T. Peter	44	Koide, Norimasa	168	Krummel, Thomas M.	34, 205
Kingsbury, Matthew R.	119	Kojima, Hidenobu	191, 200	Krumrei, Nicole J.	122, 188
Kinkhabwala, Corin	175	Kokkosis, Angela	218	Kruper, Laura L.	87
Kinoshita, Takayuki	155	Kokoroskos, Nikolaos	143	Kruse, Edward J.	211
Kinross, James M.	98	Kolberg, Kristen L.	154	Kruse, Robin L.	150
Kinugasa, Yusuke	188	Koleilat, Issam	184	Krzyzaniak, Michael J.	112
Kiraly, Laszlo N.	98	Koller Gorham, Jessica	128	Kubo, Naoshi	179
Kiran, Ravi P.	120, 133, 146, 180	Kolli, Kanti P.	210	Kuchta, Kristine M.	128, 171
Kirane, Amanda	168	Koltun, Walter	133	Kuckelman, John P.	175
Kirat, H. Tarik	133, 142, 180, 221	Kominski, Gerald	112	Kuenzler, Keith	167
Kirby, Amelia	174	Komori, Koji	151	Kuhlenschmidt, Kali M.	97
Kirby, Derek T.	161	Kondo, Hiroka	183	Kuhls, Deborah A.	41, 94
Kirby, John P.	172	Koneru, Baburao	196	Kuhn, Jason	206
Kirk, Allan D.	164	Kong, Allen	192	Kuhn, Jenna	154
Kirkpatrick, Howard R.	85	Kong, Karen	131, 152, 169	Kukreja, Janet	150
Kirkwood, Kimberley	130	Konge, Lars	143	Kulungowski, Ann M.	173
Kirkwood, Melissa L.	162	Kongkaewpaisan, Napaporn	187	Kulvatunyou, Narong	124, 130, 144, 154, 155, 169, 176, 181
Kirnap, Mahir	203	Kono, Yohei	218	Kumamoto, Tomotaka	183
Kis, Amanda R.	188	Konstantinidis, Ioannis	129, 161	Kumar, Akshita	132, 174, 195
Kisat, Mehreen T.	176	Kontos, Filippas	148, 157	Kumar, Anand R.	157, 183
Kitamura, Koji	220	Koodie, Lisa	149	Kumar, Anjali S.	183
Kivnick, Alexandra	196	Koohestani, Darush	144	Kumar, Sandhya B.	171
Klang, Andrea	198	Kopar, Pirooska K.	45, 114	Kumar, Shyanie J.	133
Klaristenfeld, Daniel	142	Kopelan, Adam M.	215, 218, 221	Kumar, Sushil	207
Klassen, Dennis R.	61	Kopitnik, Max	143, 186	Kumar, Virang	173
Klebuc, Michael	80	Kopkash, Katherine A.	61	Kumarusamy, Mathu A.	142
Klein, Andrew S.	86	Korayem, Adam H.	184		
Klein, Gabriel M.	195	Kornblith, Lucy Z.	163, 198		

Kumins, Norman H.	122, 141	Landman, Matthew P.	166, 167, 184	Lee, Bernard T.	118
Kunac, Anastasia	127	Landman, Natalie	168	Lee, Byrne	55, 152, 168
Kuncir, Eric J.	55	Landreneau, Joshua P.	137, 213	Lee, Carol M.	139, 184
Kunitake, Hiroko	148, 166	Lane, John S.	184	Lee, Christina I.	135
Kuo, Jennifer H.	197	Lane, Whitney O.	138	Lee, Derrick C.	78
Kuo, Lindsay	176, 199	Lang, Brian H.	100	Lee, Edmund W.	126, 189, 210, 211
Kuo, Paul	120	Lang, Julie E.	74	Lee, Eugenia	176
Kuo, Yen-Hong	181, 202	Lang, Susan	188	Lee, Grace	143
Kuo, Yong-Fang	150	Langdale, Lorrie A.	83	Lee, Hanjoo	133, 180, 183
Kuon, Carla	96	Langell, John T.	197	Lee, Hanmin	106
Kupferman, Judah	142	Langenfeld, Sean J.	67, 218, 220	Lee, Howard	212
Kurek, Stanley J.	45	Langnas, Alan N.	140	Lee, Inkyu S.	188
Kurlander, David	183	Lao, Linelle Stacy T.	123	Lee, Jae M.	143
Kurobe, Masashi	173	Lapointe-Gagner, Maxime	210	Lee, James A.	81, 197
Kurokawa, Tomohiro	148, 157	La Porta, Anthony J.	145	Lee, Joo H.	209
Kuroki, Naomi	211	Larentzakis, Andreas	113	Lee, Justin H.	130
Kurtom, Saba	133, 149, 180	Largo, Rene	208	Lee, Kenny D.	96
Kurz, Emma	117	Larkin, Anne C.	131, 162	Lee, Kyongjune B.	141, 163, 184
Kushner, Adam L.	126, 164, 165	LaRocca, Christopher J.	168, 191	Lee, Kyueun	146
Kushwaha, Rashmi	202	Laronda, Monica M.	174	Lee, Lawrence	52
Kutcher, Matthew E.	163	Laronga, Christine	103	Lee, Leonard	124
Kuza, Catherine M.	117, 192	Larson, Kelsey E.	124, 188	Lee, Major K., IV	129
Kvale, Elizabeth	111	Larson, Robert A.	184	Lee, Mary M.	218
Kwaan, Mary R.	142	Laskin, Ruby	187	Lee, Michael J.	131
Kwon, David S.	127, 149	Laskowski, Igor	218	Lee, Minna	123
Kwon, Eustina	160, 170	Lassance-Soares, Roberta M.	141	Lee, Nicole K.	178
L		Lata Arias, Kathleen	136, 201	Lee, Olivia S.	176
Labadie, Kevin P.	148, 149	Latchana, Nicholas V.	156	Lee, Sabrina	113
Labora, Amanda	187	Lategan, Carina	173	Lee, Sang J.	123, 196
Labow, Brian I.	135, 155, 158, 176, 177, 195	Latifi, Rifat	146, 192, 204	Lee, Sang W.	51, 59, 60, 62, 151
La Camera, Giuseppa	164	Lattimore, Sherene G.	177	Lee, Shin Rong	163
LaCroix, Andrew	125	Latz, Christopher	141, 184	Lee, Tiffany C.	123
Lacy, Antonio M.	53, 133, 146, 194	Lau, Alexander	139	Lee, Yoon Suk	194
Lad, Neha L.	182	Lau, Frank	115	Lee, Young	96, 154
Ladd, Alan	166, 167	Lau, James N.	126, 154, 189	Leeds, Steven G.	128, 137
Lafaro, Kelly J.	152, 191	Lau, Kwan N.	121	Leeser, David B.	123
LaFemina, Jennifer	89, 113, 162	Lau, Patricio E.	170	Lefevre, Rachael	114
Lages, Patrícia	168	Lauricella, Sara	117, 147	Lehman, Ronald A., Jr.	143
Lagisetty, Kiran H.	158, 193, 199	Lautz, Timothy B.	174, 185	Lehmann, Timothy	208
Lagoo-Deenadayalan, Sandhya A.	143	La Vaccara, Vincenzo	194, 214, 221	Lehoux, Sylvain	188
Lahni, Patrick	159	LaVelle, John M.	127	Leichtle, Stefan W.	184, 192, 204
Lai, Lily L.	177	Lavespere, Gabriel K.	164	Leistikow, Caroline	52
Laikrahm, Dana	149	Lavu, Harish	189	Lekawa, Michael E.	75, 117, 135, 145, 192
Lal, Pawanindra	161	Law, Simon Y.	137	Lemaire, Anthony	124
Lala, Salim	141, 163, 184	Lawless, Ryan A.	125	Leonard, Jennifer M.	149
Lally, Kevin P.	185	Lawrence, Amy E.	166	Leonardi, Claudia	151
Lally, Pamela A.	166, 185	Lawrence, Elizabeth	162	Leonard-Murali, Shravan	127, 149
Lam, Wanda	212	Laws, Edward R.	209	Leong, Joon Yau	150
Lama, Gabriel	191	Lawson, Elise H.	111	LePoidevin, Lindsey M.	162
Lamb, Laura	181	Lawton, Jennifer S.	88	Lerner-Ellis, Jordan	176
Lambert, H. Wayne	195	Lawton, Michael T.	138	Leshikar, David	178
Lambert, Laura A.	186	Lay, Frank	134	Lester, Felicia	44
Lamberti, John	212	Lazar, Eric L.	46	Lester, Mary	153
Lambert-Kerzner, Anne	119, 132	Lazzaro, Richard	140	Leung, Angela M.	81
Lammers, Daniel	172	Le, Mindy N.	197	Leung, Anna M.	123
Lamond, Katherine G.	65, 103	Le, Quynh P.	212	Levi, Benjamin	134
Lamparello, Ashley J.	159	Leach, Candice	210	Levin, Gabriel	121
Lampert, Erika J.	170	Leal, Laura	148	Levine, Adele A.	166
Lancaster, Elizabeth	120	Lebares, Carter K.	68	Levine, Jun L.	174
Lancaster, William P.	138, 197	Leckman, Scott A.	75	Levine, Matthew H.	127, 163, 200
Landino, Samantha	193	LeCompte, Michael T.	207	Levy, Jeffrey	126
		Ledesma, Yeranui	125	Levy, Marc S.	119
		Lee, Angela	151	Levy, Mark M.	184
		Lee, Arielle M.	206, 214, 216		

Levy-Carrick, Nomi	117	Lipman, Jeffrey	96	Long, Kevin C.	142, 149
Lewandowski, Julia	155	Lipnick, Michael S.	44	Long, Kristin L.	129
Lewcun, Joseph A.	190	Lippert, Trenton	189	Long, Susan E.	54
Lewicky-Gaupp, Christina	207	Lippuner, Veronica	151	Long, Tobias	183
Lewis, Erin	149, 186	Lipsitz, Stuart	112, 131	Longaker, Michael T.	116, 117, 134, 141, 153, 157, 195, 196
Lewis, Frank	131	Lipskar, Aaron	174	Loor, Michele M.	49
Lewis, Kevin M.	143, 198	Liska, David	60, 142, 180, 194	Lopez, Gerardo	148
Lewis, Meghan R.	171, 198	Little, Virginia R.	90	Lopez, Maria Cecilia	131
Lewis, Terrence	135	Little, Tari	176	Lopez, Patricia	208
Lewis, Wyn G.	158, 177, 179, 188, 199, 200	Litvack, Jamie R.	112	Lopez, Richard A.	198
Ley, Eric J.	176, 192	Litzenburger, Ulrike	134	Lopez-Ichikawa, Maya A.	181
L'Huillier, Joseph C.	172	Liu, Baoling	115, 131	Lopez-Monclús, Javier	208
Li, Bo	139, 184, 185	Liu, Chang	149	Lopez-Soler, Reynold I.	196
Li, Chun	188	Liu, Charles	112	Lorente Aznar, Teofilo	178
Li, Hao	177	Liu, Christina Y.	176	Lorenz, H. Peter	134, 153
Li, Jennifer	177	Liu, Chunli	119	Losken, Albert	177
Li, Jiang Tao	219	Liu, Hongdau	206	Lotan, Yair	150
Li, Qingshan	191	Liu, Jia	139	Lotfi, Philip	208
Li, Robert A.	170	Liu, Mengyuan	180	Lou, Emil	190
Li, Ru	122, 136	Liu, Natalie	138, 171	Loubnan, Zeyad	216
Li, Selena S.	127	Liu, Peter H.	209	Loudon, Andrew	204
Li, Shiri	111	Liu, Qiaofei	157	Lovasik, Brendan P.	96, 131, 178
Li, Yan	141	Liu, Rockson	182	Love, Bryan	145
Li, Yanshu	190	Liu, Rong	117, 178, 189	Love, Joseph D.	55
Li, Yongqing	115, 131, 159	Liu, Shinban	159, 217	Love, Remi	131, 132
Liacouras, Peter	113	Liu, Shu-Yu	178	Lovette, Anyea	120
Liang, Mike K.	48, 49, 60, 115, 143	Liu, Tianming	133, 146	Lowvorn, Harold	185
Liang, Patric	118	Liu, Yingbin	189	Low, Donald E.	149, 193
Liang, Victoria	181	Liu, Yueze	191	Loya, Asad	116, 149, 168, 201
Liao, Quan	157, 189	Liu, Yunlong	124	Lu, Danni	153
Lichter, Andrew	96	Liu, Zhao-Jun J.	141	Lu, Kaye	117
Lidor, Anne O.	171	Livhits, Masha	100	Lu, Pamela	120, 154, 164, 194
Lieberman, Jayme D.	51, 52	Livingston, Austin	135	Lu, Peng	139
Liechty, Kenneth W.	139, 147, 155, 173	Livingston, David H.	127	Lu, Qiang	184
Liechty, Shawn	208, 209	Livingston, Edward H.	46	Lu, Richard	115, 171, 182, 186
Liem, Ronald S.	137	Livingstone, Alan	133, 135	Lu, Xiaoning	160
Liem, Spencer	159	Livingstone, Joshua J.	201	Lubin, Marc	213
Liepert, Amy E.	68, 148, 172	Livingston-Rosanoff, Devon	188	Lubitz, Carrie C.	81, 99, 112, 151
Lifante, Jean Christophe	147	Li Volti, Giovanni	164	Lucero, Genesis V.	134
Lightner, Amy L.	62	Lo, Tammy	128	Lucisano, Amelia C.	130
Lillemoe, Keith D.	144, 148, 166, 178, 201	Loberman, Dan	124	Ludi, Erica K.	161, 173
Lim, Derek	159	Locham, Satinderjit S.	118, 141, 184	Lueckel, Stephanie N.	142
Lim, Rizal	169, 186, 187, 192	Locke, Amy	147	Lui, Cecillia	124
Lim, Robert B.	40, 65, 71, 91, 113, 187	Loeffelholz, Michael	153	Lui, Felix	114
Lima, Helber V.	114	Loehrer, Andrew P.	167	Lui, Natalie	158, 199
Limberg, Jessica	152	Löfgren, Jenny	126	Luk, Stephen S.	172
Lim-Loo, Michelle Bernadette C.	210	Loftus, Tyler J.	131	Lukacz, Emily S.	93
Lin, Dana T.	129, 152, 189	Logan, Jocelyn M.	164	Lukasiewicz, Adam M.	116
Lin, Edward	208, 212, 216	LoGerfo, Frank W.	118	Luketich, James D.	89
Lin, Jules	158, 193, 199	Logghe, Heather	162	Lum, Sharon S.	138, 155, 177, 191
Lin, Matthew Y. C.	171, 188	Logsetty, Sarvesh	117	Lumpkin, Stephanie	196
Lin, Mayin	202	Lohia, Shivangi	177	Lungu, Douglas	164
Lin, Nicole	124, 145, 146	Lohman, Robert F.	218	Luo, Jiesi	163
Lin, Vivian	154	Lok, Maarten Janssen	139	Luppens, Carolyn L.	186
Lind, Mary Ann	153	Lokhandwala, Adil	150	Luque, Erika	211
Lindeman, Brenessa M.	41, 118	Lollar, Daniel	132	Luschitsky, Ilya	186
Linden, Philip A.	135, 158, 165, 168	Lombardi, Augusto	187	Lusczek, Elizabeth	144
Lindholm, Erika	185	Lombardo, Gary G.	192	Lustig, Daniel B.	177
Lindsay, Mark E.	118	Lo Menzo, Emanuele	115, 119, 143, 159, 160, 174, 189, 191, 210, 215, 216, 218	Lutfi, Rami	206, 216
Linn, John	171	Long, Andrea	59, 93	Luu, Michael	123
Lino Cardenas, Christian L.	118	Long, Jane	124	Luu, Shelly	148
Liou, Douglas	158, 199			Lv, Yi	123, 147, 163, 170, 184, 191, 193, 201

Ly, Quan P.	52
Lyden, Melanie L.	147
Lynch, William R.	199
Lyn-Sue, Jerome R.	175
Lyo, Victoria	156
Lysaght, Joanne	179
Lyu, Heather	199

M

Ma, Ka Wing	196	Maillet, Monica	162	Marenco, Christopher	172
Ma, Lucy	124	Maillo-Oliva, Carmen L.	207	Margenthaler, Julie A.	155, 177
Ma, Meixi	144	Maine, Rebecca G.	125, 126, 136, 138, 160, 172, 173	Margolin, David A.	111, 142
Ma, Tao	191	Maithel, Shelley	186	Margonis, Georgios Antonios	120
Maan, Zeshaan N.	134	Maithel, Shishir K.	131, 150	Margulies, Daniel R.	176
Maaraoui, Kayla	212	Makanjuola, Ayo	165	Marini, Pierluigi	159
Maatman, Thomas K.	161	Makarawung, Dennis	119, 137	Marji, Fady P.	216
Mabedi, Charles	125, 160, 172	Makarov, Danil V.	138	Marka, Nicholas A.	114
Mabes, Erika S.	211	Makasa, Emmanuel M.	40	Markel, Troy A.	122, 139
MacDonal, Cameron L.	129	Makdissi, Fabio	209, 219	Markmann, James F.	197
Macedo, Francis Igor B.	119, 144	Makkai-Popa, Silviu-Tiberiu	221	Markov, Nickolay P.	163
Machado, Marcel Autran C.	209, 219	Makley, Amy	145, 154	Markowiak, Stephen	202
Macheel, Chad A.	149	Malas, Mahmoud B.	118, 141, 184	Marks, Jeffrey M.	51, 56, 87
Machida, Ryunosuke	151	Malcher, Flavio	163	Marks, John H.	221
Machigashira, Seiro	174	Malek, Adil J.	154	Marmor, Schelomo	190
Machlin, Jordan H.	174	Malek, Kirolos	138, 177	Marmor, William	153
Macias-Garcia, Juan	149	Malek, Sayed K.	195	Maron, David J.	62
Mack, Michael J.	39	Malekzadeh, Sonya	112, 213	Maroon, Joseph C.	39
MacKenzie, Douglas G.	162	Malguria, Nagina	199	Marquez, Jocellie	153
Mackey, Emily E.	162	Malhan, Shreya	202	Marroquin, Carlos E.	140
Mackinnon, Susan E.	135	Malhotra, Ajai K.	133	Marshall, Aaron	117
Macsata, Robyn A.	82, 141, 163, 184	Malladi, Shashi	163	Marshall, Clement	134
MacTaggart, Jason N.	192	Mallick, Taha	208	Marshall, Gary T.	188
Madabhushi, Vashisht V.	153	Mallidi, Hari R.	111, 198	Marshall, Jared	183
Madani, Katayoun S.	164	Malone, Debra L.	71, 113	Marshall, Matthew	150
Madani, Naoufel	148	Malone, Emily	144	Marsolo, Keith	164
Madoff, Robert	142	Maloney, Caroline	121	Martel, Guillaume	134
Madrigal, Rex A.	202	Maloney, Sean R.	180, 207, 212	Martemus-Peters, Andrea	203
Maeda, Kiyoshi	179	Maloney Patel, Nell	122, 188, 199	Martin, Anna E.	210
Maegawa, Felipe A. B.	129, 161	Malphrus, Elizabeth	208	Martin, Cecilia	132
Maganty, Avinash	150	Maluccio, Mary A.	177	Martin, Colin A.	94
Magarinos, Jessica S.	188	Mammas, Konstantinos S.	179	Martin, David Z.	156, 195
Magee, Gregory A.	176	Mammen, Joshua M. V.	77, 164	Martin, Jackie, Jr.	152
Magee, William P.	85	Mammo, Tihitena N.	165	Martin, John R.	126, 178
Maggard Gibbons, Melinda A.	112, 118, 132, 138, 166	Manahan, Michele A.	50, 51	Martin, Linda W.	93
Maggi, Stefano	187	Mancera, Juliana	217	Martin, Matthew J.	62, 70, 72, 78
Maggino, Laura	129	Mancinelli, Jenna	127	Martin, Niels D.	47, 143
Maggio, Paul M.	46, 131	Mandujano, Cosman C.	200	Martin, Robert C.	103
Magistri, Paolo	220	Maneckshana, Bejon	180	Martin, Whitney T.	97
Magnotti, Louis	168	Mangano, Alberto	192, 206, 212, 221	Martindale, Robert	97, 98
Magut, Faith J.	125, 161	Mangat, Sabrina	167	Martinelli, Vanessa	207
Mahamid, Ahmad	190	Mangino, Martin J.	122, 136	Martínez, Jorge A.	172
Mahanty, Anirban	209	Mangram, Alicia J.	100	Martinez, Jose M.	56
Mahdi, Elaa	121, 132, 139	Mani, Vishnu R.	186	Martinez, Sylvia	134
Mahendraraj, Krishnaraj	161, 167, 181, 193	Manisundaram, Arvind	96	Martinez Jimenez, Angelica	188
Maher, Zoe	126	Manjolo, Mphatso	126	Martinez Lorenzo, Regina	168
Mahler, Brandon M.	146	Mann, Barry D.	75	Martini, Michael	201
Mahoney, Stephen T.	112	Mansfield, Lauren	194	Martinie, John B.	121
Mahtabifard, Ali	207	Mansfield, Paul F.	191	Martins, Paulo N.	196
Mahuron, Kelly M.	122, 168	Mansinghani, Seth	209	Marwan, Ahmed	173
Mahvi, David A.	117, 120, 140, 194	Mansour, John C.	148	Marx, Marilyn	38
Maier, Ronald V.	33, 39	Mansur, Arian	162, 188	Marzinsky, Amy	167
		Manty, Christopher R.	111	Mascareno, Eduardo	193
		Many, Benjamin T.	130, 197	Mascharak, Shamik	116, 117, 134, 157, 195
		Mao, Xianhai	211	Mascianà, Gianluca	117, 147
		Marar, Omar	183	Mase, Vincent J.	138
		Marayati, Raoud	121, 139	Maslowski, Douglas J.	155, 195
		Marc, Gillinov	124	Mason, Aaron C.	195
		Marcello, Peter W.	51, 59, 60, 62, 63, 65	Mason, Faith	188
		Marchetti, Michael	127	Masrur, Mario	206, 212
		Marcin, James	163	Massa, Giulia	172
		Marcus, Sivan G.	110	Massier, Christian G.	113
		Marecik, Slawomir J.	180	Massoumi, Roxanne	173

Master, Viraj A.	136, 150	McGuire, Kandace P.	145, 152	Mendes, Bernardo	95
Mastrangeli, Maria Rosaria	183	McGurk, Siobhan	124, 193, 198	Mendoza, April	187
Masui, Toshihiko	211	McHenry, Christopher R.	99	Meng, Qinghe	119
Matadial, Christina M.	201	McHugh, Matthew D.	132	Mengyu, Feng	191, 209
Mathew, Alex	120	McIntyre, Robert C., Jr.	117	Menk, Ashley V.	132
Mathew, Jomol	157	McKany, Malik	197	Menon, Sid	134
Mathew, Prakash	195	McKee, Rohini	93	Merani, Shaheed	140
Mathis, Kellie L.	133	McKenna, Nicholas P.	147	Merath, Katiuscha	130, 156
Mathis, Sydney A.	195	McKenney, Mark G.	169, 181, 185, 187, 192, 203	Mercantini, Paolo	183
Mathlouthi, Asma	118			Mercer, David F.	94, 140
Mathur, Amit K.	147	Mckenzie, Travis J.	186	Merchant, Nipun	119, 133, 135, 146, 165
Matsumoto, Akiko	176	McKinlay, Alex	202		
Matsumoto, Yasuyuki	129	McKinley, Sophia K.	162, 188	Mercier, Michael R.	116
Matsushima, Kazuhide	145	McLaughlin, Briana	153	Merigliano, Stefano	216
Matsuyama, Takatoshi	188	McLaughlin, Sarah A.	87	Merkow, Ryan P.	91, 129, 179
Mattei, Maria Sole	214	McLean, Sean E.	167	Merriman, Alexander G.	110
Mathay, Michael A.	198	McLemore, Elisabeth C.	52	Merritt, Robert E.	140, 212
Matthews, Brent D.	125	McLeod, Robin S.	74	Mesbah, Michael	207
Matthews, Jeffrey B.	113	McLoughlin, Robert J.	191	Meschino, Wendy	176
Mattox, Kenneth L.	72	McMillan, Matthew	129	Mesko, Nathan	208
Mauch, Jaclyn T.	115	McMullen, James M.	172	Mesquita-Neto, Jose Wilson B.	144
Maulik, Nilanjana	110, 196	McNally, Megan E.	48	Messa, Charles A., IV	115
Maxwell, Daniel	135, 144	McNamara, Catherine T.	155, 176	Messarlis, Evangelos	133, 142
Maxwell, Jessica H.	112, 208, 213	McNamara, Deborah	82	Metcalfe, David	140, 143
May, Addison K.	85, 125	McNatt, Stephen S.	182	Metcalfe, Kelly	176
May, Danica	201	McNelis, John	146, 155	Metchik, Ariana	120
Mayberry, John C.	175	McNicol, Christopher F.	71, 96	Meterissian, Sarkis H.	76
Mayhew, Emily R.	112	McQuay, Nathaniel	204	Meyer, Anthony A.	112
Maykel, Justin A.	53, 57, 87, 111, 120, 191	Meador, Keith G.	114	Meyer, David C.	111, 120, 191
		Meara, John G.	161, 172	Meyer, Tessa	177
Mayo, Skye C.	156	Meara, Michael P.	182	Meyers, Michael O.	84
Mayo, William J.	36	Meckmongkol, Teerin	185	Miao, Feng	201
Mazer, Laura M.	189	Medich, David	146	Michail, Sideris	122
Mazpule, George	208	Medina, Benjamin	180	Michalopoulos, Antonios	180
Mazuski, John	85	Medrano, Christopher	153	Michalsky, Marc P.	184
Mazzei, Michael	128, 160	Medrano del Rosal, Guillermo	161, 167, 181, 193	Michel, Martin	178
Mazzini, Guilherme	137			Michelassi, Fabrizio	89, 101
Mazzotta, Erica	117, 147	Meese, Eckart	135	Midura, Devin H.	163
McAneny, David	167	Meguid, Robert A.	93, 119, 132	Migaly, John	111, 131
McAuliffe, John	200	Mehaffey, J. Hunter	165	Mihelis, Efstathia A.	140
McBride, John A.	86	Mehollin-Ray, Amy	216	Mikos, Antonios G.	202
McCammon, Susan D.	50	Mehr, David R.	150	Milas, Kresimira M.	77
McCarthy, Daniel P.	178	Mehrab, Arianeb	190	Milazzo, Michele	164
McCaw, Brigid	86	Mehran, Reza J.	93	Miles, M. Victoria P.	102
McClain, Lauren E.	167, 217	Mehta, Hemalkumar B.	150	Mileski, William J.	161
McClellan, W. Thomas	134	Mehta, Kurren	122	Milhem, Mohammed M.	88
McClelland, Paul H.	133, 146	Mehta, Rittal	130, 156	Milia, David J.	49, 192
McClintock, Natalie C.	190	Meier, Karien	143	Milla Matute, Cristian	174, 182, 191
McClure, Kristi	132	Mekeel, Kristin L.	49	Mille, Markus	122
McCrum, Marta L.	119, 186	Mekras, Alexandros	180	Miller, Alex K.	154
McCulloch, Ian L.	134, 195	Mekras, Dimosthenis	180	Miller, Anna N.	45
McCullough, Ann	146	Melcher, Marc L.	190, 197	Miller, Barbra S.	57, 128, 151
McDermott, James	132	Melchior, Nicole M.	123	Miller, Claire P.	169
McDonald, Kelly	145	Melchiorri, Anthony J.	202	Miller, Connie	128
McDonald, Shelley R.	143	Meléndez, Juan J.	219	Miller, Elizabeth S.	131, 159
McDow, Alexandria D.	129	Melis, Marcovalerio	138	Miller, George	117
McFadden, David W.	110, 196	Mell, Matthew W.	95, 184	Miller, Heidi J.	56, 79, 92
McFarland, Graeme E.	162	Mellano, Alfredo	210	Miller, Jeremy	117
McFerron, Brian	167	Melnitchouk, Nelya	126, 138, 154, 164, 199	Miller, Judy	193
McGinagle, Katharine L.	163			Miller, Keith R.	97, 98, 117
McGrath, Mary H.	38, 73, 81	Melstrom, Kurt A.	54, 55	Miller, Maxine	151
McGreevy, Christopher	123	Melstrom, Laleh G.	54, 156	Miller, Preston R., III	145, 203
McGregor, Andrew W.	209	Melvin, W. Scott	200, 207	Miller, Richard S.	76
McGrew, Patrick	175, 187, 198	Memon, Muhammed A.	160, 185	Mills, Dixie J.	187

N	
Nabavizadeh, Reza	150
Nabi, Fatima	130
Nader, Nader	182
Naeem, Imran	173
Naffouje, Samer A.	189
Nagahashi, Masayuki	135
Nagakawa, Yuichi	178
Nagaraj, Madhuri B.	172
Nagle, Alexander P.	54
Nahas Combina, Luciano R.	195, 197
Nahmias, Jeffry T.	55, 117, 135, 145
Naidu, Priyanka	161, 173
Naik-Mathuria, Bindi	90, 167, 184
Naitoh, Takeshi	125
Nakabayashi, Yukio	200
Nakagawa, Shunichi	91
Nakajima, Tetsushi	178
Nakakura, Eric K.	168, 210

Nakame, Kazuhiko	174	Nesher, Eviatar	190	Nordin, Andrew	96
Nakauchi, Masaya	167	Nessen, Shawn C.	112	Noren, Erik	151
Nakeeb, Attila	161, 200	Netto, Matheus P.	175	Nores, Marcos A.	124
Nakhlis, Faina	74	Neumayer, Leigh A.	84, 88	Noria, Sabrena	120
Nakshatri, Harikrishna	124	Neuzil, Kevin E.	185	Norris, James P.	190
Nalesnik, Michael A.	200	Neville, Holly L.	152	Northcraft, Patrick	119, 185
Nam, Arthur	196	Nevins, Natalie	145	Northcutt, Ashley	116, 130, 144, 150, 155, 181
Namas, Rami A.	159	Newcomb, Polly	188	Northfelt, Donald	146
Namboodri, Brooke	136	Newhams, Kirsten	137	Norton, Jeffrey A.	116, 117, 144, 157
Namias, Nicholas	113, 124, 176, 182, 191	Newman, Elliot	138	Nosanov, Lauren S.	129
Namm, Jukes P.	177	Newman, Erika A.	121	Notrica, David M.	178
Namugga, Martha	161	Newsom, Jake	147	Noureddine, Belal F.	164
Naous, Rana	179	Newton, Carla J.	96	Novak, Stephanie	215
Napier, Rebecca H.	199, 200	Newton, Emily R.	114, 163	Novak, Zdenek	162
Naples, Robert	189	Nezhat, Azadeh	207	Novitsky, Yuri W.	60, 61, 76, 156
Napolitano, Lena M.	83, 91, 98	Nezhat, Camran R.	207	Novo, Fernando F.	219
Narahari, Adishesh K.	165	Nezhat, Ceana H.	207	Novotny, Nathan M.	217
Narayan, Mayur	82, 113	Nezhat, Farr R.	207	Nowygrod, Roman	131
Narayan, Raja	185, 190	Nezomuddin, Farishta	199	Nucho, Laura-Marie A.	121
Nardello, Salvatore	123	Nfonsam, Valentine N.	75, 120, 151	Nuliyalu, Usha	144
Narvaez Cordova, Andres	159, 208, 216	Ng, Kelvin K.	123, 196	Nunez-Garcia, Brenda	198
Nash, Garrett M.	83	Ngo, Sarah	144	Nunn, Andrew M.	145, 203
Nassar, Aussama	55, 131	Nguyen, Alan T.	116, 117, 134, 157	Nurkin, Steven J.	218
Nasseri, Yosef Y.	138	Nguyen, Andrew H.	177	Nuzzi, Laura C.	135, 155, 158, 176, 177, 195
Natal, Eduardo P.	116	Nguyen, Arthur	168	Nwariaku, Fiemu E.	44, 85
Nathan, Ajay S.	112	Nguyen, Bao-Ngoc H.	141, 163, 184	Nwomeh, Benedict C.	44
Nathan, Hari	118, 144	Nguyen, Brittany N.	157	Nydam, Trevor L.	117, 120, 140
Navarrete, Sergio B.	124	Nguyen, Dung	141, 153, 196		
Navarro, Ana	178	Nguyen, James	207, 216, 217		
Navarro Alean, Jorge A.	171	Nguyen, Kathy	117		
Navarro Barquin, David	195	Nguyen, Michelle	139		
Navsaria, Pradeep	169	Nguyen, Ninh T.	135, 186, 215, 216, 217		
Nayyar, Apoorve	145, 152	Nguyen, Scott	206, 209		
Nazarian, Susanna M.	123	Nguyen, Theresa	187		
Nazerali, Rahim	141	Nguyen, Thuan D.	158		
Nduom, Edjah K.	209	Nguyen, Tom C.	110		
Neal, Matthew D.	104, 117, 124, 149	Nguyen, Victor	198		
Nealon, William H.	131	Nguyen, Vu	156		
Nebres, Rico	214	Nichols, Chance	97		
Neckers, Leonard M.	157	Nickel, Brianne L.	178		
Nederpelt, Charlie J.	143, 187	Nicol, Andrew	169		
Nee, Nadya	171	Nicolaides, Marios	122		
Needham, Victoria	214	Nielsen, Matthew E.	136		
Needleman, Bradley J.	120	Nieto-Lorenzo, Kristine Kamille P.	202, 214		
Negron, Tianna	118	Nigam, Ankesh	179		
Nehra, Deepika	117, 172, 176, 203	Nigri, Giuseppe R.	214		
Neki, Kai	206, 214, 216	Nikolian, Vahagn C.	159		
Nelken, Nicolas A.	118	Nikpay, Sayeh S.	112		
Nelson, Adam C.	203	Ning, Anne Y.	122		
Nelson, Daniel W.	161	Nino, Diego	167		
Nelson, George	150	Nishino, Michiya	188		
Nelson, Heidi	40, 84	Nistal, Dominic A.	201		
Nelson, M. Timothy	66	Nita, Gabriela	111		
Nelson, Peter R.	46, 82, 141	Nitzschke, Stephanie L.	172		
Nemecz, Amanda	183	Nix, Jeffrey W.	213		
Nemeth, Samantha K.	120, 156	Nnamani, Ogonna	188		
Nemeth, Zoltan H.	131, 152, 169	Nobel, Tamar B.	134, 140, 158, 172, 193		
Nemeth, Zsuzsanna	176	Noble, Matthew B.	209		
Nemir, Stephanie	153	Nochur, Shakti	162		
Nephew, Kenneth	124	Nolan, Brian	118		
Nepomnayshy, Dmitry	162, 191	Noorani, Ayesha	143		
Nerup, Nikolaj	143				

O

Obama, Kazutaka	157
Obana, Ayato	168
Obara, Nao	183
Obeid, Nabeel R.	137
Obeng-Gyasi, Samilia	146
Oberoi, Kurun	127
Obitsu, Tamotsu	125
Ocal, Idris	146
Ocampo, Elena	170
Oceguera, Luis M.	142
Ochoa, Joana	215
O'Connell, Joshua S.	184
O'Connell, Karen J.	119
O'Connell, Rachel L.	159
Ode, Michael B.	44, 102
Odell, David D.	132, 158
Odom, Elizabeth	177
Odugbemi, Tinuola O.	165
Oelschlager, Brant K.	64, 205
O'Flanagan, Stephen D.	179
Ofosu-Akromah, Richard	170
Ofshteyn, Asya	111, 183
Ogan, Kenneth	136, 150
Ogiso, Satoshi	121, 200, 211
Oh, Eun Jeong	153
Oh, John S.	71, 160, 170
O'Halloran, Eileen A.	168, 180
Ohashi, Shinsuke	173
Ohene-Yeboah, Michael	126
Okada, Takuhisa	183
Okafor, Barbara U.	172, 203
Okamoto, Tomoyoshi	200

O'Keefe, Grant E.	64	Ortiz, Jorge	196	Palazzo, Francesco	114, 140, 143,
O'Keefe, Terence	116, 130, 150,	Ortiz, Yulexi Y.	141		149, 159, 182, 206, 217
	169, 176	Ortiz Gomez, Camila	115, 119, 160,	Palchetti, Sara	130
Okida, Luis Felipe	174		182, 210, 216	Palermo, Mariano	214
Okoye, Obi	206, 210, 216	Ortmayr, Gregor	140, 189	Palesty, J. Alexander	110
Okullu, Silas	125	Osakabe, Hiroaki	178	Palilonis, Mary A.	173
Okusanya, Olugbenga T.	147	Osantowski, Bennett C.	122	Palmer, Christopher	168
Olavarria, Oscar A.	115	Osborne, Nicholas H.	141	Palmeri, Matteo	214, 220
Oldhafer, Karl J.	219	Osei, Hector	174	Palmquist, Emily	199
Oldham, Keith T.	69	Osgood, Greg M.	181	Paluvoi, Nivedh	146
Olds, Anna	124	Oshi, Masanori	124	Pameijer, Colette	190
O'Leary, Catina	52	Oshima, Nobu	157	Pan, Amy	139
O'Leary, Kevin	132	Osho, Shana	198	Pan, Dongfeng	124
Oleru, Olachi	202	Osland, Emma	185	Pan, Jennifer	192
Oliva, Renato	187	Osler, Gigi F.	99	Pan, Long	179
Oliver, Aundrea	212	Osterdahl, Paul R., Jr.	159	Panaccio, Paolo	188
Oliver, Jamie R.	129	Ostlie, Daniel J.	131	Panchbhavi, Vinod K.	116, 149, 168
Oliver, Jeremie D.	157	Osuchowski, Marcin	198	Pan-Chen, Sarah	115
Olivere, Lindsey A.	111, 122	O'Sullivan, Patricia S.	188	Panda, Nikhil	112, 188
Olivieri, Tiziana	220	Otero Piñeiro, Ana M.	133, 146, 194	Pandit, Viraj	141, 151
Olivo, Raquel	196	O'Toole, Robert V.	198	Paneso, Juan E.	172
Ollapally, Vinita	102	Otsuka, Masahiko	173	Pantalos, George	198
Ollila, David W.	152	Ottesen, Taylor D.	116	Panthaki, Zubin J.	195
Olmsted, Courtney L.	37	Ottolino, Pablo	178	Pantoja, Joe L.	206
Olowofela, Ayokunle	180	Ourshalimian, Shadassa	132	Panzo, Melissa	181
Olsen, Kelli	177	Oussi, Ninos	113	Papaconstantinou, Harry T.	154
Olson, Jacob	124	Ovadia, Steven	195	Papageorge, Marianna V.	138
Olson, Jennifer	168	Ovakimyan, Vasiliy	96	Papalois, Apostolos	122
Olson, Molly A.	114, 182	Overby, David W.	61	Papavassiliou, Athanasios G.	113
Olson, Scott D.	132	Overmoyer, Beth	74	Papoian, Vardan	129
Oltmann, Sarah C.	188	Oviedo, Rodolfo J.	119, 185, 203,	Pappas, Sam G.	121
Olufajo, Olubode	192		206, 210	Parada Gallardo, Francisco J.	175
Olutoye, Oluyinka O.	106, 170, 216	Ovshayev, Ovshay	115	Paramo, Juan C.	84
Omar, Abbas	160	Owens, Douglas K.	146	Parangi, Sareh	154
Ome, Yusuke	178	Oyama, Atsushi	125	Pardo, Ivanesa L.	120, 216
Omesiete, Nkechinye P.	151	Oyefule, Omobolanle O.	215	Paredes, Anghela Z.	130, 156, 179, 182
Omi, Ellen	192	Oyekunle, Taofik	122	Parides, Michael	200
Omotosho, Philip	128	Oyetunji, Tolulope A.	217	Parikh, Alexander A.	84
Omstead, Ashten N.	137	Oyeyemi, Deborah	143	Parikh, Manish S.	216
Onaitis, Mark W.	49, 216	Ozao-Choy, Junko J.	176	Parikh, Punam P.	141
Onayemi, Ayolola	202	Ozbas, Serdar	123	Parilla, Shelby	154
Onda, Shinji	189	Ozdemir, B. Handan	123	Park, Adrian E.	156, 171, 186
Onder, Sevgen C.	124	Ozer, Huriye Eda Ozturan	142, 191	Park, Caroline	172
O'Neil, Maura	124	Ozgediz, Doruk E.	43, 161, 164, 173	Park, Charles	164
Ong, David	162	Ozgun, Gonca	123, 191	Park, Christine J.	174, 184
Onishi, Anne	131	Ozuner, Gokhan	133, 146	Park, Eugene	85
Onishi, Shun	174			Park, Hayoung	114, 176
Onnela, J. P.	112			Park, John J.	180
Ono, Yoshihiro	211			Park, Ko Un	177
Onofre, Susana	168			Park, Lisa	146
Onofrey, Lauren	160	Paal, Edina	213	Park, Yu-Soon A.	151
Onufer, Emily J.	189, 212	Pachter, H. Leon	113, 138, 142, 181	Parker, Andrew L.	81
Opelka, Frank G.	105	Padmanaban, Vennila	126, 181	Parker, Blair	136
Orangio, Guy	151	Padovany, Michelson N.	173	Parker, Robert K.	173
Ordoobadi, Alexander J.	132	Padussis, James C.	145	Parker, Ruth	52
Ore, Ana Sofia	142	Paez Arango, Natalia	209	Parker, Tayler D.	167
Orenstein, Sean B.	61	Pagnoni, Chiara	117, 147	Parker, William J.	97
Orleans, Brian G.	114, 136	Paiano, Lucia	125	Parpia, Sameer	151
Orlina, Jeraldine S.	208	Painter, Matthew	136	Parra-Davila, Eduardo	79
Orloff, Lisa A.	57, 58	Pakpoor, Jina	184	Parrado, Raphael	174, 178
Orlov, Oleg	221	Pal, Anshuman	147	Parreco, Joshua	176, 182
Orringer, Mark B.	158, 199	Pal, Jay D.	111, 193	Parsikia, Afshin	146, 155
Ortega Checa, David A.	79	Palacio, Ana	176	Parsons, Alden M.	52, 88
Ortega, Gezzar	196	Palange, David	208	Paruch, Jennifer	142

Parviainen, Kristiina	188	Pedroza, Claudia	174	Petrucci, Andrea M.	215
Pascal, Scott C.	202	Peetz, Allan B.	114	Petrucciani, Niccolò	214
Pasdera, Lindsay	160	Pei, Kevin	76, 144, 161, 162	Petrusa, Emil	162, 188
Pass, Helen A.	73	Peiffer, Sarah	160, 170	Pettitt, Barbara J.	52, 76
Passantino, Domitilla Gaia	214	Pekala, Kelly	150	Petukhova, Sofia	174
Passias, Peter G.	116, 202	Pelaez, Carlos A.	219	Peyre, Sarah	199
Passman, Marc A.	162	Peled, Anne G.	61	Pfaff, Ashley C.	169
Pastore, Elena	187	Pelletier, Marc	124, 193, 198	Pflug, Adriano R.	219
Pastoriza, Jessica	155	Peltz, Erik	117	Phairas, Debra	50
Patel, Ankit D.	97, 206, 208, 216	Peluso, Heather	197	Pham, Minh Tri Nhat	96
Patel, Arpit	206, 215, 218	Pelzman, Daniel	150	Pham, Tam N.	154
Patel, Chintan B.	208, 213	Pena, Romina	133, 146	Phan, Ho H.	178
Patel, Dipan C.	208	Pendem, Kailash	176	Phan, Thuy	156
Patel, Jitesh	195	Peng, Peter D.	200	Phares, Amanda	178
Patel, Kepal N.	99, 129	Peng, Shuyou	219	Phay, John E.	215
Patel, Ketan M.	92	Penna, Marta	57	Phelan, Herbert	154
Patel, Krishan	216	Pennell, Christopher	185	Phelps, Hannah	185
Patel, Mayur B.	114	Penney, Susan	81	Philippe-Auguste, Michael	134
Patel, Namita	126	Pennings, Jacquelyn	190	Phillips, Benjamin	183
Patel, Ravi N.	213	Penny, Gregory S.	202	Phillips, Cody J.	96
Patel, Ronak A.	141, 153, 195, 196	Penny, Norgrove	173	Phillips, Daniel L.	150
Patel, Rutvi	177	Pentakota, Sri Ram	127	Phillips, Joshua K.	183, 211
Patel, Sameer A.	81	Peoples, George E., Jr.	148	Phillips, Kyle	194
Patel, Shiv	116	Pepe, Russell J.	122, 124	Phillips, Linda	153
Patel, Shreena	139	Peponis, Thomas	143	Phillips, Michael	167
Patel, Veeshal H.	210	Peralta, Jhon A.	217	Phillips, Sharon	182
Paterakos, Pierce	128	Peralta, Ruben	169, 197, 215	Philosophe, Benjamin	196
Paterno, Flavio	196	Percy, Edward	124, 193	Philp, Matthew M.	63
Pathak, Abhijit	162	Pere, Jyri	116	Phitayakorn, Roy	44, 162, 188
Pathak, Neil	116	Pereira, António M.	207	Phuoc, Victor H.	212
Pathak, Ranjan	138	Pereira, Stephen G.	208	Piçarra, Genoveva	207
Patil, Dattatraya	136, 150	Pereira, Xavier	200	Piccinini, Alice	171
Patil, Nirav	204	Pereyra, David	140, 157, 179, 189	Pickering, Joshua M.	185
Patiño, Andrés F.	172	Perez, Alexander	199	Pickett, Maryanne L.	172
Paton, B. Lauren	125	Perez, Arielle J.	79	Piechura, Laura	111, 198
Patrick, Lauren	208	Perez, Jeammy A. P.	208, 219	Pierce, Kristyn A.	198
Patterson, Mark A.	162	Perez, Numa P.	132, 148, 166	Pierro, Agostino	139, 184, 185
Patterson, Rolvix H., III	160, 173	Perez, Rafael	172	Pigazzi, Alessio	62, 111, 202
Patton, Byron D.	140	Perez, Richard V.	196	Pikoulis, Emmanouil	71, 120
Patzer, Rachel E.	166	Perez, Rodrigo O.	53	Pikus, Andrew	152
Paul, Jasmeet S.	162	Perez-Pena, Renato	193	Pillamarri, Aakaash	159
Pauli, Eric M.	55, 56, 61, 76, 79, 171, 175, 190, 214, 217	Perger, Lena	101	Pillarisetty, Venu G.	148, 149
Paulino, Carl B.	116, 202	Perkins, James	114	Pilozzi, Emanuela	183
Paull, Jessie	113	Perkins, Louis A.	178	Pingree, Christian	202
Paulson, Sara	201	Perlmutter, Breanna	115, 171, 191	Pinillos Navarro, Pilar C.	172
Pauzenberger, Reinhard	157	Perrier, Nancy D.	215	Pinson, Terry	186
Pavuluri Quamme, Sudha	200	Perrott, David H.	106	Piraino, Giovanna	159
Pawlik, Timothy M.	112, 127, 130, 156, 165, 179	Perry, Barbara	122	Pirani, Farha	136
Payet, Cecile	147	Perry, Roger R.	145	Pitt, Henry A.	121, 130, 144
Peace, Kaitlin M.	148	Perry, Yaron	135, 158, 165, 168	Pitt, Susan C.	129, 196
Pearce, Benjamin J.	162	Peschman, Jacob	49	Pittelkow, Eric	153
Pearcy, Christopher	96	Peskoe, Sarah	131	Pittet, Jean F.	159
Pearlstein, Sarah	206	Pessoa, Bernardo M.	137, 206	Piwnica-Worms, William D.	153
Pearse, Damien D.	195	Peter, Mark	125, 178	Pletcher, Eric	216
Pearson, David G.	212	Peters, Alexander	161	Plichta, Jennifer K.	94
Pearson, Paul J.	110	Peters, Alexander W.	148, 172	Plietz, Michael C.	142, 150
Pechman, David M.	175	Peters, Walter	194	Pliszkiwicz, Maciej	221
Peck, Gregory	148	Peterson, Carrie Y.	146	Plitas, George	98
Peck, Gregory L.	68	Peterson, Danielle	178	Png, Maximilian C.	184
Peck, Victoria	120	Petrack, Anthony T.	167	Pocivavsek, Luka	147
Pecoraro, Alessandra	183	Petro, Clayton C.	115, 156, 170, 171, 191, 208, 211	Pockaj, Barbara	146
Pedrazzani, Corrado	192	Petrosyan, Mikael	166, 174, 185, 203	Podda, Mauro	187
		Petrov, Roman V.	212	Podolsky, Dina	156
				Poirier, Jennifer	152

Rehring, Thomas F.	118	Rios-Diaz, Arturo J.	140, 143, 159	Rojas, Kristin	177
Reiberger, Thomas	140	Risoli, Thomas, Jr.	131	Rojas-Alexandre, Mehida	120, 194
Reich, Heidi	140, 170	Ritch, Chad R.	201	Rojas-Miguez, Florencia	180
Reichl, Allison R.	160	Ritter, Kaitlin	99	Roke, Rachel	156
Reicks, Patty	149, 168	Ritz, Ethan M.	134	Rokkas, Chris K.	110
Reid, Christina	171	Rivadeneira, David E.	62	Roland, Christina L.	77, 90, 98
Reid, KMarie	143	Rivadeneira, Dayana B.	132	Rolandelli, Rolando H.	152, 169, 194
Reid, Trista	125, 126, 136, 160, 172	Rivelli, Anne	187	Rolland, Gabrielle	113
Reidt, Wendy S.	186	Rivera, Carlos E.	119, 159	Rollins, Meagan R.	179
Reiland, Juliann M.	61, 63	Rivera, Mariela	43, 165	Roman, Sanziana A.	129, 188
Reilly, Margaret A.	196	Rivera Perla, Krissia M.	115	Romano, Camilla	187
Reinke, Caroline E.	49, 125	Rivere, Amy E.	63	Romano, Teresa	47, 48
Reis, Isildinha M.	201	Rivet, Emily B.	49, 50, 67	Romeo, Gherardo	214
Reitz, Katherine M.	132, 146, 189	Rizeq, Yazan K.	130, 185, 197	Romero Arenas, Minerva A.	178
Rekman, Janelle	209	Rizk, Nabil	93	Romero Funes, David	160, 182
Remick, Kyle	113	Rizoli, Sandro	204, 219	Romero-Velez, Gustavo	200
Remzi, Feza H.	133, 142, 180, 221	Rizvi, Anam	142, 150	Ronaghan, Catherine	156
Ren, Fenggang	191	Rizvi, Narjis	173	Rønn, Jonas	143
Ren, Tai	189	Ro, Charles Y.	56	Roper, Michelle T.	112, 113, 142
Ren, Weizheng	201	Roane, Brandon	150	Rosado, Jesus	196
Renna, Lauren N.	169	Robbins, Alexandria	144	Rosati, Carl	169, 203
Rennekliev-Kelly, Sean	138	Robbins, Sarah E.	129	Rosato, Ernest L.	149, 159, 206, 217
Renshaw, Savannah	182	Robert, Karen	160	Rosemurgy, Alexander	185, 189, 211
Rescorla, Frederick J.	184	Roberts, Patricia L.	39	Rosen, David	120
Resio, Benjamin J.	138	Roberts, Sophia H.	182	Rosen, Jennifer N.	213
Resnick, Adam J.	120	Robertson, Daniel	217	Rosen, Michael	115, 170, 171, 191, 211
Resnick, Matthew J.	112	Robertson, Kiana S.	134	Rosen, Michael J.	115, 156, 170, 171, 191, 208, 211
Reyes, Angel	214	Robertson, Matthew	149	Rosen, Seth A.	126
Reyes, Jorge	114	Robin, Alvaro	208	Rosen, Steven T.	156
Reynolds, Marleta	207	Robinson, Allison J.	98, 99	Rosenberg, Ashley	125
Reznek, Martin	202	Robinson, David	158, 177, 179, 199, 200	Rosenberg, Meagan	203
Reznik, Scott	212	Robinson, David B.	188	Rosenberger, Laura H.	94
Rhee, Christopher	170	Robinson, Kortney	133, 165, 199	Rosenblatt, Steven	191, 208, 211
Rhee, Daniel	167	Robinson, Myra	136, 137	Rosenfeld, Ethan S.	141, 184
Rhee, Hannah	124	Robinson, Thomas N.	45	Rosengart, Matthew R.	117
Rhee, Rebecca	122	Robinson, Todd J.	206	Rosenkranz, Kari	64
Rhemtulla, Irfan A.	115	Robles, Jennifer	137, 150	Rosenstock, Adam S.	208
Rhoades, Keith	83	Robles, Yarret A.	96	Rosenthal, Martin	187
Rhodin, Kristen E.	122	Robustelli, Virna	111	Rosenthal, Martin D.	98
Rhynhart, Kurt K.	76	Rocco, Gaetano	140, 158	Rosenthal, Raul J.	115, 119, 159, 160, 174, 182, 191, 198, 210, 215, 216, 218
Riall, Taylor S.	76	Roch, Alexandra M.	161	Rosenthal, Ronnie A.	45, 75, 144
Ribeiro, Marcelo A. F., Jr.	201	Rocha, Flavio G.	77, 187, 209	Rosenzweig, Matthew	202
Ribeiro, Ruy	168	Rocha, Marcelo C.	219	Roser, Steven	173
Ricca, Robert L.	71	Rocourt, Dorothy V.	178	Roses, Robert	129, 133
Ricci, Joseph A.	157	Roda, Gavriel F.	111, 193	Rosielle, Drew	144
Riccio, Lin M.	203	Rodas, Edgar B.	44, 125, 126, 164, 173, 176, 184, 204	Roslani, April C.	82
Rice, Christopher P.	161	Rodier, Simon	117	Ross, Elizabeth	136
Rich, Barrie	174	Rodman, Cole P.	182	Ross, Erin	198
Rich, Bianca E.	197	Rodrigues, Beatriz C. M.	220	Ross, Howard M.	62, 63
Rich, Mark A.	176	Rodriguez, Evangelina	140	Ross, James T.	122, 198
Richards, Joseph	181	Rodriguez, John H.	87, 137, 213	Ross, Samuel W.	125
Richards, William O.	205, 207	Rodriguez, Rachel	169	Ross, Sharona B.	185, 189, 211, 221
Richardson, Ines	122	Rodriguez-Mercado, Rafael	75	Rosser, Alexandra A.	113, 200
Rickert, Charles G.	123, 196, 197	Roeth, Anjali A.	122	Rossi, Alexander	188
Ricotta, John J.	141, 184	Rogers, Ann M.	175	Rossi, Isolina R.	125
Rider, Paul F.	218, 220	Rogers, Devin	150	Rossi, Javier L.	220
Riggs, Stephen	136, 137	Rogers, Rebecca	93	Rossi, Matthew B.	54, 68, 101
Rikiyama, Toshiki	125	Rogers, Selwyn O.	67	Rossler, Danielle	203
Rimko, Jenna M.	181	Rogers, Stanley J.	158	Rostved, Andreas A.	190
Rincon, Javier E.	147, 172	Roggin, Kevin K.	113, 127, 144	Roth, John S.	60, 115
Rincon, Luis C.	217	Roginski Guetter, Camila	194		
Ring, David	114	Rohde, Christine H.	153		
Rinkevich, Yuval	134				
Ríos, José	194				

Rothenberg, Kara A.	118, 132, 147, 153, 158, 203, 217	Sachdev, Ulka	188	Sanchez, Juan A.	47
Rothstein, David H.	174	Sachdeva, Ajit K.	37, 41, 83, 97, 102	Sanchez, Sabrina E.	117, 181
Rothstein, William B.	124	Sachs, Darren B.	123	Sander, Anthony	169
Rothwell, Clayton D.	131	Sachs, Teviah E.	167	Sandhu, Gurjit	122
Rotsides, Janine M.	129	Saclarides, Theodore J.	53, 177, 183	Sandler, Anthony D.	166, 174, 185, 203
Rotter, Jason S.	136	Sada, Alaa	186	Sandler, Bryan J.	206, 214, 216
Rottler, Nicholas P.	176, 192	Sadeghi, Cirous	116	Sands, Dana R.	52, 53
Roudnitsky, Valery	176	Sadot, Eran	190	Sands, Laurence	146
Rountree, Kaitlyn M.	218	Sadri, Lili	72	Sanfey, Hilary A.	73, 82, 152
Rouse, Emily E.	188	Sadri-Ardekani, Hooman	201	Sanford, Dominic E.	215
Rove, Jessica	111	Sadur, Alana	199	Sanford, Zachary	84, 156, 171
Row, David	146	Safaoui, Marian N.	145	San Miguel, Carlos	208
Rowe, Vincent L.	97	Safar, Bashar	120	Sanni, Aliu O.	171, 182
Rowell, Erin E.	174, 185	Safaya, Aditya	218	Sansosti, Alexandra A.	164
Roy, James D.	218	Safranek, Peter M.	143	Santiago Gorostieta, Miguel A.	195
Roy, Mayank	189	Sager, Lauren	154	Santol, Jonas	189
Roy, Soham	213	Sageshima, Junichiro	196	Santos, Ariel P.	156
Rubin, Lee E.	116	Saha, Arin	125, 178	Santos, Byron F.	54, 85, 126
Rudin, Anatoliy V.	152	Sahara, Kota	130, 156, 165	Santos, Chelsea	155, 191
Rudnicki, Pamela A.	199	Sahara, Yatsuka	178	Santos, Jeffrey	171
Rueda, María A.	44, 102	Saidian, Ava	213	Santos, Jones P., Jr.	208
Rueda De Leon, Alexandra	221	Saillant, Noelle	143, 162, 187	Santos, Sofia M.	207
Ruffo, Julia	203	Sakai, Yoshiharu	157	Santosa, Katherine	196
Ruffolo, Luis I.	217	Sakata, Jun	135	Sapci, Ipek	146, 151, 194, 218
Ruhi-Williams, Perisa	186	Sakran, Joseph V.	76	Sapp, Richard W.	189
Ruiz, Emmanuelle M.	179	Sakurai, Katsunobu	179	Sarantou, Terry	65, 87, 88, 103
Ruiz, Samuel G.	96, 169, 186, 187, 192	Salaj, Adelona	212, 221	Sarap, Michael D.	50, 74
Ruiz Diaz, Yanina V.	220	Salamah, Hanaan	138	Sarcevic, Aleksandra	119
Rumpf, Benedikt	140, 179, 189	Salas Parra, Ruben D.	175	Sarkaria, Inderpal S.	87
Rusch, Valerie W.	34, 35, 38, 39, 140, 158, 193	Salata, Konrad	116, 118	Sarmiento, Iam Claire E.	140
Rushing, Amy P.	82	Salazar, Rene	114	Sarmiento, Juan	135, 144
Rushing, Christel	138	Salcedo, Edgardo S.	62, 178	Sarmiento, Roberto A.	214
Rushton, Tullia	150	Saleh, Abdullah	44	Sarmiento Cobos, Mauricio	119, 159, 182
Rusilko, Paul	150	Saleh, Ahmed	125, 178	Sarosi, George A.	46
Rusin, Craig	170	Salerno, Tomas	124	Sasaki, Kazunari	120
Russell, Christopher	132	Salfity, Hai	140	Sasidhar, Ajai	207
Russell, Dylan	113	Salgado, Christopher J.	195	Saterbak, Ann	125
Russell, Jonathon O.	58, 59, 100, 152, 215	Salgado, Javier M.	146	Sato, Takafumi	211
Russell, Marcia M.	143, 144	Salhotra, Ankit	116, 117, 134, 157	Sato, Yoshinobu	168
Russell, Maria C.	161	Saliba, Kevin M.	217	Satterwhite, Thomas S.	93
Russell, Marika	58	Salim, Ali	78, 117	Sauaia, Angela A.	110, 117, 192
Russell, Robert T.	83, 159	Salimpour, Ariella	189	Saucke, Megan	129
Russo, Paul	150	Saljuqi, Abdul Tawab K.	124, 144	Sauder, Candice A.	178
Russo, Rachel	131	Salky, Barry A.	65, 215	Saun, Tomas	137, 163
Rutledge, Hannah	131	Salles, Arghavan	152, 154	Savadamuthu, Vikashini	113
Rutter, Michael J.	213	Sallum, Rubens A.	79	Savage, Paul	148
Ruzgar, Nensi M.	184	Salomon, Joshua A.	146	Savage, Stephanie A.	43, 200
Ryder, Alexa	114	Salti, George I.	189, 190	Savarise, Mark T.	51, 84, 119
Ryon, Emily L.	119, 124, 133, 135, 146, 165, 191	Saluja, Ashok	149, 180	Savas, Jeannie F.	171, 202
S		Salvador, Renato	216	Sawaied, Muneer	190
Saab, Ihab	157	Salvi, Pier Federico	183	Sawyer, Robert G.	154
Saad, Adham	182	Salvischiani, Lucia	212, 221	Sax, Harry C.	46, 47
Sabatelle, Robert	117	Salvitti, Madison S.	137	Saxe, Jonathan M.	162
Sabato, Joseph	202	Salzman, Caroline	125	Sayed, Rehma	125, 178
Sabbagh, Raja	208	Samad, Lubna	161, 172	Sbayi, Samer	153
Saber, Alan A.	206, 214, 215, 218, 219, 221	Sambare, Tanmaya D.	147	Scali, Salvatore T.	162
Saberi, Rebecca A.	152	Sammarco, Marica	187	Scarlet, Sara	138, 152
		Sammel, Mary D.	201	Sceats, Lindsay A.	138
		Sampson, James B.	71	Schaefer, Eric W.	121
		Samson, David J.	194, 203, 204	Schaeffer, August	161
		Samuels, Jason M.	110, 158, 192	Schafer-McLean, Rhonda	201
		Sancheti, Manu S.	212	Schalet, Grant N.	179
		Sánchez, Gonzalo	171	Schall, Kathy	174
		Sanchez, Jaime	120		

Scharpf, Joseph	81, 213	Scott, John W.	172	Shah, Manoj	187
Scharping, Nicole E.	132	Scott, Michael J.	124	Shah, Neil V.	116, 202
Scharr, Travis	151	Scott, Michael T.	153	Shah, Nishit	142
Schauer, Philip R.	97, 217	Scott-Conner, Carol	40, 74	Shah, Rohan M.	111, 198
Scheiber, Christopher	113	Scotton, Giovanni	125	Shah, Rupen A.	127, 149
Scheinerman, Samuel J.	140	Scow, Jeffrey S.	171	Shah, Shimul A.	123
Schellenberg, Morgan	145, 219	Scully, Brendan	131	Shaha, Ashok R.	177
Schellhard, Lauren	135	Seal, Sudipta	147, 155	Shahait, Awni	144
Schenarts, Paul J.	86, 199	Seamon, Mark J.	47	Shaikh, Dooniya	84
Schenker, Mara	136	Sebastian, Raul	134	Shajari, Andrew	142
Scheri, Randall P.	129	Sebastião, Yuri V.	166	Shalaby, Hosam	129
Schermerhorn, Marc L.	95, 118	Sebelik, Merry E.	58	Shalgian, Christian	102
Schiffen, Lynnette	125	Secher, Niels H.	193	Shalhub, Sherene	82
Schijven, Marlies P.	127, 134	Sedaghati, Mahsa	129, 152	Shamash, Kevin	138
Schill, Matthew R.	97	Seeger, Robert C.	139	Shamia, Ahmed	186
Schiller, Henry J.	138	Sefora Pierobon, Elisa	216	Shammas, Ronnie	138
Schlager, Avraham D.	217	Segalini, Edoardo	187	Shan, Ying	132
Schlick, Cary	190	Segev, Dorry L.	75, 196	Shander, Aryeh	143
Schlieve, Christopher R.	121	Seib, Carolyn D.	147	Shao, Hongwei J.	141
Schlosser, Kathryn A.	180, 207	Seifert, Adrian M.	103	Shao, Jenny	120
Schmidt, Carl R.	135	Sekigami, Yurie	177	Shao, Qi	179
Schmidt, Christian M.	65, 161, 200	Selby, Robert R.	121	Shao, Qianhui	129
Schmidt, Peter	198	Sell, Naomi M.	144, 178, 201	Shapiro, David S.	169, 181
Schmidt, Volker J.	135, 158	Sellke, Frank	132	Shara, Nawar	127, 132
Schmoeckel, Michael	219	Selvaraju, Vaithinathan	196	Shariat, Mahsa	172, 176, 203
Schobel, Hannah	115	Selzer, Don J.	52	Sharib, Jeremy	130
Schoenfeld, Andrew J.	166	Semeniv, Solomiia	164	Shariff, Amir H.	164
Schoeniger, Luke O.	210	Sendak, Mark	164	Sharma, Ishna	96, 174
Scholz, Stefan	54	Seng, Sirivan S.	138, 177	Sharma, Joe	142
Schoonyoung, Henry P.	221	Senkowski, Christopher K.	50, 51, 52	Sharma, Jyoti	181
Schotte, Henri	221	Senninger, Norbert	102	Sharma, Jyotirmay	66
Schreiber, Martin A.	45, 130	Senthil, Maheswari	138	Sharma, Prateek	133, 149, 180
Schroeck, Florian	150	Seo, Satoru	121, 211	Sharma, Vidhu	213
Schroen, Anneke T.	112	Sequeira, David	139	Sharma, Catherine E.	124, 125
Schroeppel, Thomas J.	149	Serao, Angelo	159	Sharp, Kenneth W.	84, 107
Schroll, Rebecca W.	175, 187, 198	Serra, Valentina	220	Sharp, Nicole E.	153
Schubert, Justyna	202	Serrano, Oscar K.	122, 180	Sharp, Stephen	162
Schubl, Sebastian D.	117, 135, 145	Serrano Aybar, Pablo E.	151	Sharpe, John P.	169
Schuerer, Douglas J.	107	Serrano Rodríguez, Pablo	114	Shaughnessy, Elizabeth A.	94
Schulick, Alexander	117	Serrot, Federico	208	Shaughnessy, Matthew P.	122, 174, 184
Schulick, Richard D.	117	Serur, Anna	63	Shavit, Candace W.	153
Schulman, Ariel	213	Seruya, Mitchel	80	Shawki, Sherief	57, 180
Schulman, Carl I.	113, 131	Servais, Elliot L.	199	She, Wong Hoi	196
Schultz, Nikolai Aagaard	190	Seth, Ananya	136	Sheard, Michael A.	139
Schumacher, Katelyn	124	Seth, Rahul	80	Sheehy, Ann	148
Schumacher, Michael	139	Sethi, Vrishketan	133, 149, 180	Sheetz, Kyle H.	120, 144
Schurr, Michael J.	182	Seto, Tiffany	182	Sheikh, Mohd Raashid A.	121
Schutt, Ryan J.	160	Seven, Claire	164	Sheka, Adam	190
Schwab, C. W.	112	Severance, Sarah E.	146	Shekar, Prem	124, 193, 198
Schwack, Bradley F.	92	Severin, Paul N.	159	Shekherdimian, Shant	173
Schwaizberg, Steven D.	40, 205	Seymour, Neal	113	Shelby, Rita D.	184
Schwartz, Herbert S.	116, 190	Sezgin, Efe	123	Sheldon, Rowan R.	137, 172
Schwartz, Jeffrey M.	116, 202	Shaaban, Aimen F.	91	Shelton, Andrew A.	87, 151
Schwartz, Lewis B.	184	Shabahang, Mohsen M.	53, 142, 149, 153, 167, 168	Shelton, Elizabeth	151
Schwartz, Theresa	177	Shabat, Galyna	164	Shelton, Tina	119, 185
Schwartz, Tim	176	Shackelford, Stacy A.	71, 104	Shemin, Richard J.	88
Schwartzberg, David M.	133, 142, 180, 221	Shada, Amber L.	56, 171	Shen, Chengli	177
Schwarze, Margaret L.	40, 65, 114, 154	Shaeer, Mohammad	152, 215	Shen, Zhantao	210, 214
Sciadini, Marcus F.	198	Shaffer, Virginia O.	142	Shenoy, Rivfka H.	167
Sciarretta, Jason D.	202	Shah, Abhijit	213	Sheoran, Reeti	202
Sciubba, Daniel M.	143	Shah, Adil A.	166, 174, 185, 203	Sheppard, Andrew	179
Scoggins, Charles R.	127	Shah, Arnab	132	Sherman, Scott E.	138
Scott, Andrew	206, 207	Shah, Ishani	124	Sherman, Scott K.	156
				Sherwinter, Danny A.	213

Shetty, Shohan	119	Siegel, Timothy R.	50	Smith, Matthew T.	213
Sheu, Eric G.	128	Siekierski, Bogumil Pawel	221	Smith, Radhika R.	63
Sheu, Fang Yu	158	Sifri, Ziad C.	125, 126, 181	Smith, Randi N.	48, 149
Shi, Qiming	157	Sigurdson, Elin R.	123, 180	Smith, Samuel D.	47
Shiba, Hiroaki	189, 200	Shag, Smita	140, 158, 193	Smith, William	212
Shibata, David	151, 168, 190, 198	Sillesen, Martin	115	Smithson, Lauren	84, 85
Shields, John	136	Silliman, Christopher C.	110, 158	Smits, Patrick J.	116, 134, 157
Shih, Brandon E.	168	Silver, David	213	Snider, Sandra	119, 185
Shihadeh, Eihab	207	Silver, Julie K.	154	Snyder, Christopher W.	166
Shikora, Scott A.	91, 92, 215	Silvestrini, Molly	144	Snyder, Clifford	199
Shillinglaw, William R.	182	Silviera, Matthew	120	Snyder, Rebecca A.	83, 179
Shimada, Hiroyuki	121	Sim, Vasily	181	Snyder, Sean B.	155, 195
Shimada, Yoshifumi	135	Simianu, Vlad V.	142, 183, 187	Snyder-Warwic, Alison	135
Shimizu, Yoji	179	Simmons, Victoria E.	126, 155	So, Alycia	155
Shimotake, Lisa Y.	178, 211	Simon, Kenneth B.	52	Sobotka, Stanislaw	115, 201
Shin, Joongho	63	Simon, Rachel	149	Socas, Juan	153
Shin, Joyce J. M.	58, 151	Simon, Robert	129, 189, 200	Socci, Adrienne R.	44
Shinall, Myrick C.	95, 96	Simpson, Rachel	200	Sodha, Neel	132
Shinkunas, Laura A.	114, 185	Sims, Carrie A.	86, 126, 131, 159	Soe-Lin, Hahn	182
Shintaro, Ishikawa	183	Simunovic, Marko	151	Soffer, Samuel Z.	121
Shiomi, Akio	151	Sinanan, Mika N.	171	Sohn, Vance Y.	71, 89, 137
Shiozaki, Hironori	189	Singer, Eric A.	91	Sokol, Jan	196
Shipchandler, Taha Z.	80	Singer, Marc A.	60	Sola, Juan E.	152
Shirai, Hisaya	196	Singer, Michael C.	77	Soliman, Ayman M.	215
Shirai, Yoshihiro	189, 200	Singer-Chang, Gail	145	Soliven, Albert U.	123
Shiraz Naqvi, Syed H.	213	Singh, Abhinav B.	119, 132	Solomon, Naveenraj L.	155, 191
Shirley, Lawrence A.	215	Singh, Ajit	213	Solorzano, Rene	173
Shirota, Tomoki	178	Singh, Gagandeep	152	Solosk, Ashley	153
Shively, Jordan T.	113	Singh, Rajdeep	161	Solsky, Ian	112
Shockcor, Nicole M.	196	Singh, Rhea	125	Soltesz, Edward	124
Shogan, Benjamin D.	98	Singh, Steve K.	111, 198	Song, Meredith	179
Shoman, Haitham	161, 172	Singhal, Dhruv	92, 118	Song, Yun	133
Shonka, David C.	81	Siperstein, Allan	151, 152	Sonnenday, Christopher J.	144
Shope, Timothy	120	Sippel, Rebecca S.	77, 129	Sonntag, Cheyenne	96
Short, Celia	115	Siu, Jennifer	160	Sonoda, Toyooki	60
Shortsleeve, Joseph T.	157	Sivaswamy, Atul	116, 118	Sood, Divya	96
Shoucair, Sami	156, 190, 195, 201	Skarda, David E.	130, 138, 148, 165	Soper, Nathaniel	179
Shouhed, Daniel	138	Skarsgard, Erik D.	80	Soper, Nathaniel J.	66
Shoultz, Thomas H.	172	Skeete, Dionne A.	79	Soran, Atilla	74, 123
Shoureshi, Pouria	134	Skibber, Max	174	Sorini, Maya J.	147, 172
Shover, Andrew	114	Skill, Nicholas J.	177	Sosa, Julie A.	122, 129, 147, 163, 188
Showalter, Shayna L.	165	Skinner, Ruby A.	48	Soufi, Mazhar	200
Shrager, Joseph	158, 199	Skoracki, Roman J.	92, 195	Soukiasian, Harmik J.	140, 170, 199
Shrime, Mark G.	148	Slakey, Douglas P.	179	Soulos, Pamela	193
Shroyer, Noah F.	139	Slater, Jared M.	107	Sousa, Cesar A. B.	221
Shteynberg, Aleksandr	213	Slaughter, Joseph R.	179	Souza, Jason	113
Shubeck, Sarah P.	99, 135	Slaughter, Kevin	198	Souza, Spenser S.	129
Shuck, John	208	Slezak, Paul	198	Sowers, Lawrence	190
Shue, Eveline H.	166	Sloss, Kenneth	130	Soybel, David I.	160, 170
Shugol, Leana	159	Slotman, Gus	159	Spaggiari, Mario	206
Shukla, Dip M.	190	Smink, Douglas S.	53, 99, 131, 154, 199	Spagnuolo, Nicholas	208
Shupp, Jeffrey W.	168	Smith, Adam	186	Spain, David A.	108, 131, 138, 143, 145, 197
Sibia, Udai S.	162, 171	Smith, Alison A.	175, 187, 198	Spalding, Chance	155
Sibindi, Cosmas	173	Smith, Angela B.	136, 150	Spangler, Emily L.	162
Sicklick, Jason K.	77, 107, 108	Smith, Brandon T.	202	Spaniolas, Konstantinos	60, 61, 153
Sidawy, Anton N.	41, 141, 163, 184	Smith, Brian R.	111, 186, 215, 216, 217	Sparks, Andrew D.	133, 141, 163, 184
Siddaiah-Subramanya, Manjunath	160	Smith, Brigitte	126	Spazierer, Daniel	198
Siddiqi, Sameen	173	Smith, Georgia	200	Speaks, Tyler	151
Siddique, Mustafa	216	Smith, Haller J.	148	Speer, Allison L.	139, 184
Siddiqui, Aamir	157	Smith, Howard G.	157	Speicher, James	212
Siddiqui, Ali	159	Smith, Jennifer A.	62, 184	Spence, Janelle	185
Siddiqui, Usman R.	169, 181	Smith, Lee P.	213	Spence, Richard	169
Sidwell, Richard A.	219	Smith, Margaret E.	135	Sperry, Jason L.	104
Siegel, Steve	84	Smith, Matthew M.	213		

Spiess, Philippe E.	143	Stokes, Sarah	96	Sussman, Matthew S.	113, 124, 131, 135, 146, 191
Spilman, Sarah K.	219	Stokes, Sean	118	Sutradhar, Rinku	176
Spinella, Philip C.	149	Stolarski, Allan E.	169	Suwa, Tatsushi	168
Spinoglio, Giuseppe	210	Stone, Melvin E., Jr.	149, 186	Suwatthanarak, Tharathorn	209
Spitzer, Austin L.	200	Stoner, Michael C.	118	Svendsen, Lars Bo	143, 193
Squillaro, Anthony I.	121	St. Peter, Shawn D.	167, 216	Svendsen, Morten B.	143
Sreeramoju, Prashanth V.	163	Strandby, Rune B.	193	Svensson, Lars	124
Srinivas, Shruthi	202	Stranix, John T.	153	Svoronos, Christos	200
Srinivasan, Jahnvi K.	142, 178	Strasberg, Steven M.	74	Swallow, Carol	148
Srinivasan, Maya	172	Strassle, Paula D.	112, 114, 136, 145, 152, 163, 167	Swaminathan, Santosh	96, 119
Srivastav, Sudesh	175	Straughn, J. Michael, Jr.	148	Swana, Hubert S.	136, 176
Srouf, Marissa K.	123, 187	Streams, Jill R.	114	Swangsri, Jirawat	209
Ssekitoleko, Robert	125	Streit, Stephanie	95, 145	Swanson, Elizabeth	175
Ssentongo, Anna E.	160, 170	Stringer, Kathleen	131	Swanson, Marco	183
Ssentongo, Paddy	160, 170	Strong, Andrew T.	137	Swaroop, Mamta	125, 161
Stack, Brendan C.	66, 77	Strong, Erin	135	Sweeney, John F.	142
Stackhouse, Kathryn A.	129	Strotmeyer, Stephen J.	130	Sweeney, Robert E.	215
Stahl, Christopher C.	113	Stroud, Andrea M.	128	Sweeting, Raeshell S.	107, 165
Stahl, Kenneth	176	Strumwasser, Aaron M.	145, 198	Swensen, Connor J.	174
Stain, Steven C.	38, 99, 169, 203	Studniarek, Adam	180	Swett-Cosentino, Jossie	148
Staley, Charles A.	142	Stulberg, Jonah	87, 88	Swift, David	136
Staley, Christopher	136	Stupalkowska, Weronika	111	Swords, Douglas S.	138
Stamou, Sotiris C.	124	Stupp, Samuel	118	Sybenga, Amelia	185
Stanczyk, Marek	221	Sturgeon, Cord	58	Sybrant, Cori	149
Standiford, Theodore	131	Sturrock, Paul R.	111, 120, 191	Syed, Ali	150
Stanek, Ewelina	117	Stutsrim, Ashlee	145	Sykora, Daniel	168
Stang, Michael T.	129	Style, Candace	170	Sylla, Patricia	53, 56, 57, 62, 142, 150, 221
Stanley, John D.	72	Style, Candace C.	216	Sylvester, Kimutai	173
Stanzani, Gianluca	187	Su, Bailey	128	Sylvestre, Dana	137
Stapleton, Sahael M.	148, 166	Suarez-Pierre, Alejandro	124	Symons, Marc	121
Starlinger, Patrick	140, 157, 179, 189	Subak, Leslee L.	93	Szomstein, Samuel	115, 119, 159, 160, 174, 182, 189, 191, 210, 215, 216, 218
Starr, Nichole E.	165	Subhedar, Preeti D.	145	Szura, Maciej	194
Stassen, Nicole A.	45, 48	Subramanian, Manju	90	Szura, Mirosław K.	194
Staszak, Jessica K.	174	Sucandy, Iswanto	185, 189, 211	Szwed, Wojciech	194
Statter, Mindy B.	114	Sucher, Joseph F.	192	Szybist, Sarah	145
Staudenmayer, Kristan L.	108, 131	Suda, Koichi	167	Szydziak, Lisa	197
Steele, Scott R.	63, 78, 87, 142, 146, 151, 180, 194	Sugihara, Tetsuro	173	Szynkowski, Joshua	96
Stefanidis, Dimitrios	126, 137, 178, 210	Sugiyama, Gainosuke	131		
Stefanini, Gianni	220	Suh, Hyunsuk	58, 59, 100		
Stefanova, Dessislava	152	Suh, Insoo	58, 59, 100, 151, 215		
Steffes, Christopher P.	127, 149	Suh, Kwang Wook	183		
Stein, Deborah M.	45, 48, 73, 100, 198	Sujendran, Vijayendran S.	143		
Stein, Harise	86	Sukon, Nutchaya	200		
Stein, Sharon	183	Suliburk, James W.	69		
Stein, Sharon L.	51, 111, 152, 183, 212	Sullivan, James S.	190		
Steinberg, Bettie M.	121	Sullivan, John	136		
Steinberg, Gary	203	Sullivan, Kevin M.	148, 149		
Steinemann, Susan	52, 85, 86	Sullivan, Patrick S.	142		
Steinhagen, Emily	111, 183	Suman, Paritosh	129, 186		
Stellakis, Vivian	113	Sumislowski, Joshua J.	192		
Sternbach, Yaron	90	Summers, Joseph	155		
Stetler, Jamil L.	208	Sun, Beatrice J.	192		
Steward, David L.	99	Sun, Jianping	139		
Stewart, Amy	67, 187	Sun, Kaiwen	192		
Stewart, Camille L.	191, 220	Sun, Raphael C.	90		
Stewart, Jerry E.	121, 139	Sun, Shilong	132, 172		
Stewart, John H.	98	Sun, Warren	176		
Stewart, Ronald M.	41, 94	Sun, Yi	117		
Stiles, Zachary E.	152	Suna, Nuretdin	192		
Stingl, Cybil S.	164	Surjan, Rodrigo	209, 219		
Stitzenberg, Karyn	138, 196	Sussman, Jeffrey J.	164		
Stock, Cameron T.	199	Sussman, Marc	124		
Stokes, Pamela	90				

T

Tabiri, Stephen	126
Tadros, Daniel H.	164
Tadros, Rami O.	184
Tafen, Marcel	169
Tagerman, Daniel	198
Tagett, Rebecca	115, 159
Taghavi, Sharven	175, 187
Taguchi, Jillian	197
Taha, Ibrahim	219
Taiping, Zhang	201, 209
Takabe, Kazuaki	124, 157, 176, 188
Takahashi, Hideo	156, 176, 218
Takahashi, Yu	211
Takanishi, Danny M., Jr.	97
Takeishi, Kazuki	102
Takishita, Chie	178
Talbot, Lindsay	174
Talens, Eric S. M.	44
Talley, Cynthia L.	45, 54
Taloni, Enrica	172

Talutis, Stephanie	181	Telfer, Michelle	173	Todd, Allison	148
Tam, Derrick Y.	110	Telich Tarriba, Jose E.	195	Todd, S. Rob	158
Tamamori, Yutaka	179	Temple, Larissa K.	133	Toevs, Christine C.	49
Tamandl, Dietmar	157	Tenenbaum, Marissa	177	Toffaha, Ali Taher	96
Tamariz, Leonardo	176	TenEyck, Emily	115	Tohme, Samer T.	200
Tamir, Shlomit	190	Tennakoon, Lakshika	143, 145, 197	Toledano Furman, Naama E.	132
Tan, Enjiu Pauleon	183	Teo, Richard	186	Tolentino, Rafael A.	129
Tan, Francis Miguel R.	137	Tepeoglu, Merih	187	Tolis, George	198
Tan, Hung-Jui	136	Teper, Ervin	213	Tomassi, Marco J.	142
Tan, Kay See	140, 158	Terasaki, Laurie	126	Tomita, Sandra	167
Tan, Min	168	Terhune, Kyla P.	88, 89, 99	Tomlinson, Jennifer L.	166
Tan, Tze-Woei	141	Termuhlen, Paula M.	110	Tomoka, Tamiwe	173
Tan, Zhijian	210, 214	Terranova, Susanna	125	Toms, Steven A.	115
Tanabe, Kenneth K.	201	Terris, David J.	77	Tong, Betty C.	122
Tanaka, Naoki	125	Terry, Michael J.	89	Tong, Winnie	153
Tandon, Manish	117	Tesflassie, Tomas	119, 137	Toomey, Paul	180
Tandur, Amarjeet E.	208, 213	Tesfaye, Assefa	165	Tootla, Farouk	111
Tang, Amber B.	132	Tesoriero, Ronald B.	106	Torabi, Julia	149
Tang, Andrew L.	116, 129, 130, 144, 154, 169, 176, 181	Testa, Giuliano	91, 114, 141	Torgay, Adnan	203
Tang, Jianlin	202	Tevis, Sarah	146, 178	Torgeson, Kris	92
Tang, Oliver Y.	138	Tezcaner, Tugan	142	Torillo, Maila Rose L.	123, 137, 161
Tang, Rebecca	133	Thanasas, Dimitrios	113	Torosian, Taron	173
Tang, Victoria	45, 144	Thanawala, Ruchi	113	Torphy, Robert J.	117
Tang, Wenbo	189	Thangavelu, Ashwin	214	Torquati, Alfonso	128
Taniai, Tomohiko	189	Theisen, Katherine	150	Torregrosa, Lilian	79
Tanioka, Toshiro	188	Theodorou, Efthymia	122	Torres, Beth	192, 204
Tanious, Adam	141, 184	Theodoulou, Iakovos	122	Torres, Madeline B.	121
Tann, Mark	177	Thielen, Brian V.	168	Torres, Ulises	162
Tarabanis, Constantine	163	Thielen, Otto N.	180, 207, 212	Totenberg, Nina	39
Tarantino, Giuseppe	220	Thirlby, Richard C.	183	Touny, Hussien	214, 216
Targonska, Bogna	185	Thiruchelvam, Paul T. R.	61, 63	Towe, Christopher W.	135, 158, 165, 168, 212
Tariq, Marvi	144	Thirunavukkarasu, Mahesh	110, 196	Townsend, Blair	136
Tarpley, John L.	44	Thoefner, Line B.	190	Toy, Bridget	130
Tarpley, Margaret J.	44	Thomas, Anne-Laure	139	Toyoda, Yoshiko	153
Tarras, Sam	203	Thomas, Roshin	206	Toyoda, Yoshiya	141
Tartaglia, Dario	111	Thomas, Ryan M.	98, 117	Tracy, Brett	136
Tashjian, Nara	151	Thomas, Shanita	146	Tran, Khai	74
Tastaldi, Luciano G.	115, 156, 170, 171, 182, 191, 208, 211	Thompson, David	164	Tran, Michael N.	215
Tatum, Danielle	175	Thompson, Richard	207	Tran, Phu C.	208
Taura, Kojiro	211	Thompson, Vanessa J.	144	Tran, Thanh	182
Taura, Kojro	121	Thornton, Melissa A.	177	Traynor, Michael D., Jr.	165, 167
Tavakkoli, Ali	128, 137	Thosiac, Jacques P.	173	Trelles Centurion, Miguel Antonio	161, 164, 165
Taveras, Luis R.	199	Thumma, Jyothi R.	128, 137	Trenk, Alexander	215
Tawantanakorn, Thikamporn	209	Thury, Alexander	157	Trentham-Dietz, Amy	188
Taweerutchana, Voraboot	209	Thygesen, Lau	171	Trevilian, Tanya	132
Taylor, John R.	45	Tian, Yuzi	131	Trevino, Jose G.	117
Taylor, Jordan S.	121, 139, 185, 203	Tiberio, Lima M.	114	Triano, Matthew J.	166
Taylor, Lauren J.	114	Tibude, Ameya S.	208	Trickey, Amber W.	132
Taylor, Whitney	96	Tierney, John F.	152	Trinh, Quoc-Dien	201
Tchou, Julia C.	123, 155, 187	Tignanelli, Christopher J.	149, 168	Triolo, Fabio	195
Tecce, Michael G.	115	Tillman, Bryan W.	154	Trivedi, Apurva	206
Techar, Kristina	168	Timaran, Carlos H.	162	Troian, Marina	220
Tedesco, Maureen M.	81	Timmons, Shelly D.	45	Trooskin, Stanley Z.	153
Tee, May	84	Timsina, Lava R.	140, 146, 166	Truche, Paul	148
Tefera, Girma	43, 64, 73, 75, 76	Tingen, Joseph S.	218	Trudeau, Maxwell T.	129
Teh, Swee H.	170	Tinkoff, Glen	204	Trujillo, Jimena	173
Teitelbaum, Ezra N.	54, 56, 85, 126	Tinoco, Augusto	175	Truong, Van	169
Teixeira, Andre F.	210, 215	Tish, Shahed	115, 170, 171, 191	Trus, Thadeus L.	56
Teixeira, Julio	175, 206	Tisherman, Samuel A.	47, 105, 106	Tsai, Jenny	159
Teixeira, Pedro G.	97, 114	Titan, Ashley L.	116, 117, 126, 134, 157	Tsai, Shirling	162
Telem, Dana A.	69, 89, 107, 112, 114, 120, 137, 159, 160, 217	Titchenell, Paul M.	131	Tsai, Sung Huang Laurent	115, 181
		Tjoe, Judy A.	146	Tsai, Susan	77, 148
		Tobin-Schnittger, Patrick	181		
		Toca, Manuel Garcia	82		

Wakeman, Derek S.	199, 217	Ward, Derek	122	Wernberg, Jessica A.	126
Walcott-Sapp, Sarah	123	Ward, Luther E.	173	Werner, Whitney	147
Walden, Heath	216	Ward, Marc A.	128, 137	Wernig, Gerlinde	195
Walia, Rajat	146	Ward, William G.	73	Wessel, Charles	117
Waljee, Jennifer F.	130, 133, 196	Warnack, Elizabeth	138, 181	Wessells, Hunter B.	64
Walker, Brett S.	156	Warner, Brad	167	Wessels, Lyndsey E.	112, 113
Walker, Jennifer	35	Warner, Rachel	122	Wesson, David E.	167
Walker, Patrick F.	97	Warren, Ann Marie	114	West, Michaela A.	93, 104, 149, 155
Wall, Anji	91, 114, 207	Warren, Robert S.	168	Westcott, Carl J.	182
Wallen, Eric M.	136	Warriner, Zachary	145, 198	Westerman, Seth	181
Walls, David	153	Warshauer, Alexander	177	Westfal, Maggie	132
Walsh, Carrie D.	189	Warshaw, Andrew L.	40, 67, 95, 144	Westfall, Kristen M.	147
Walsh, Danielle S.	152	Waseem, Talat	177	Westfall-Snyder, Jamaica	208
Walsh, John C.	160	Wassef, Audrey	116	Wexner, Steven D.	56, 57, 84, 162, 215, 221
Walsh, Mark D.	195	Wassef, Christina R.	116	Weykamp, Michael	159
Walsh, R. Matthew	129, 189, 200	Wasserman, Gregory A.	140	Whang, Edward E.	120, 194
Walters, Jarvis W.	163, 183, 208, 211, 213	Wasserman, Isaac	160	Whelan, Richard L.	51, 59, 60
Walther, Bruno S.	212	Waterman Manning, Sarah	182	White, Abby A.	193
Walz, Martin K.	188	Watkins, Michael T.	148, 166	White, Andrew	182
Wan, Derrick C.	141, 153, 195, 196	Watman, Olivia F.	157	White, Julia R.	75
Wan, Michelle	156	Watson, Andrew R.	146	White, Rebekah R.	116
Wandrey, Daniel	120	Watson, Emma	202	White, Russell	173
Wang, Andrew	176, 192	Watson, Joshua	164	White, Susan	130, 165
Wang, Binbin	153	Watt, John	192	Whiteford, Mark H.	53, 57, 221
Wang, Binhuan	138	Wayessa, Ebisa	165	Whiteside, Martin	185
Wang, Bo	191	Weaver, Donald W.	144	Whitman, Glenn J. R.	124
Wang, Eugene	216	Webb, Matthew	167	Whitson, Heather E.	143
Wang, Frances	129	Webb, Travis P.	48, 49	Whyte, Richard I.	86
Wang, Grace J.	118	Webber, David	147	Wick, Elizabeth C.	78, 111, 120, 194
Wang, Haijun	166	Weber, Sharon M.	127, 138	Wickham, Carey	151
Wang, Hanbin, Jr.	202	Wecowski, Jack	185	Wickramaratne, Niluka A.	122, 136
Wang, Jiping	145, 220	Wee, Corinne	157, 183	Wiechmann, Lisa	126
Wang, John	190	Weed, Christina	128	Wiedeman, James E.	96
Wang, Julian	151	Weeks, Sharon	113	Wiedower, James	185
Wang, Kai	132	Wei, Daniel	201	Wiegmann, Aaron L.	159
Wang, Kasper	121, 139	Wei, Shuyan	143, 197	Wiener, Taylor	195
Wang, Laura	177	Wei, Wei	37	Wiens, Jenna	133
Wang, Liming	183	Weigelt, John A.	83, 107	Wiesen, Brett M.	132
Wang, Linda J.	118, 141	Weimer-Elder, Barbette	131	Wigle, Dennis A.	77
Wang, Menghan	139	Weinberg, Jordan A.	47	Wijeysondera,	
Wang, Ming-Li	162	Weinkauf, Craig	141	Harindra C.	110, 116, 118
Wang, Ping	122, 186	Weis, Holly B.	154, 199	Wijnhoven, Bas P. L.	125, 153
Wang, Rongzhi	154	Weis, Joshua J.	199, 209	Wilder, Jessica	137
Wang, Sam	190	Weiser, Thomas G.	44, 92, 112, 165	Wiley, Alysia	155
Wang, Sarah	204	Weiss, Anna	46	Wilke, Lee G.	123, 188
Wang, Shanpei	123	Weiss, Daniel	174	Williams, Aaron M.	115, 159
Wang, Ton	135	Weiss, Eric G.	72, 81	Williams, Adele P.	121, 139
Wang, Tracy S.	104	Weiss, Jessica	214	Williams, Caroline E.	191
Wang, Vivian L.	178	Weiss, Matthew J.	120	Williams, David C.	173
Wang, Wei	206	Weissler, Mark C.	101	Williams, Irving	196
Wang, Winfred	174	Weissman, Joel S.	166	Williams, Gregory	156
Wang, Xiaofu	159, 175	Weithorn, David	175, 212	Williams, Judson B.	193
Wang, Xinhui	148	Welch, William C.	39	Williams, Keneeshia N.	149
Wang, Xinyu	132, 172	Wellen, Jason	152	Williams, Kyle E.	172
Wang, Yifan	179, 220	Wells, Katerina	194	Williams, Mallory	192
Wang, Yoyo	158	Welsh, David J.	91	Williams, Rebecca L.	162
Wang, Yue	191	Welsh, Leonard K.	159, 208	Williams, Regan F.	45, 174
Wang, Zhensheng	166	Welten, Vanessa M.	194	Williams, Stephen B.	150
Wang, Zhifei	122	Welty, Valerie F.	165	Williams, Taylor P.	199
Wang, Zhongjie	110	Weltz, Adam S.	171	Williamson, Ashley J.	98
Wang, Zhonglin	163, 200	Wen, Jake J.	159	Williamson, Christina	199
Wannasupaphol, Bundit	200	Were, Vincent O.	125, 161	Willner, Richard B.	86
Ward, Alison F.	212	Werkgartner, Georg	121, 179	Wilson, Dorian	196

Wilson, Erik B.	210	Wright, Franklin L.	117	Yanik, Megan	155
Wilson, Gregory C.	200	Wright, Gerald P.	122	Yanmis, Orhan	203
Wilson, Jacob	136	Wright, Maribeth	50	Yao, Siyuan	141, 196
Wilson, Jason P.	52	Wronski, Sofia	143	Yarboro, Leora T.	124
Wilson, Lauren	142	Wu, Di	124	Yarlagadda, Vidhush K.	213
Wilson, Madeleine	188	Wu, Geena	216	Yasumoto, Eric	181
Wilson, Mallory K.	173	Wu, James	177	Yavuz, Burcin	121
Wilson, Patrick	125	Wu, Jin-Ming	123, 196	Yazdchi, Farhang	124, 193
Wilson, Samuel	134	Wu, Katherine	165	Ye, Dan	147, 163, 170, 193, 201
Wimalawansa, Sunishka M.	163	Wu, Liza C.	155	Yeh, Heidi	123, 196, 197
Winchester, David J.	128, 129	Wu, Lu	130	Yeh, Jen Jen	103
Winer, Andrew G.	136, 213	Wu, Rongqian	191	Yeh, Michael W.	77, 81
Winer, Leah K.	123	Wurdeman, Taylor D.	148	Yelon, Jay	197
Winfield, Robert D.	35, 69	Wynn, Lynn	174	Yen-Hong, Kuo	202
Wirfel, Kelly L.	213			Yeo, Charles J.	143, 189
Wirth, Keith	190			Yeo, Heather L.	49, 72
Wisbach, Gordon G.	71			Yepuri, Natesh	179
Wise, Paul E.	164			Yeung, Enoch	124
Wiseman, Jason T.	127, 215			Yeung, Raymond S.	147
Wiseman, Sam M.	177			Yiengpruksawan, Anusak	55
Wisiak, Sebastian	121, 179			Yildirim, Sedat	142, 187, 203
Wisneski, Andrew D.	110			Yilmaz, Gursel	201
Witte, Samantha	214			Yim, Nicholas H.	180
Wittels, Stephen P.	124			Yin, Kanhua	193
Witten, Thomas	147			Yip, Linwah	99
Woelfel, Ingrid	131			Yoh, Tomoaki	121, 211
Wojick, Megan	164			Yohann, Avital	160
Wolbert, Thao	111			Yoho, Daniel	157
Woldanski, Lauren M.	190			Yokoe, Deborah	78
Wolfe, Erin M.	195			Yokoo, Karen M.	153
Wolfe, Luke	137			Yong, Holly M.	123
Wolfe, Vivian	159			Yonge, John	216
Wolff, Erika M.	128			Yoo, Aran	115
Wolfgang, Christopher L.	120			Yoo, James	182
Wolthuis, Albert	218, 221			Yoo, James J.	123, 196
Wolverton, Dulcy L.	146			Yoo, Jin S.	61, 208
Wong, Daniel J.	163			Yoon, James S.	138
Wong, Denise	168			Yoon, Karina J.	139
Wong, Ian Y.	137			Yopp, Adam C.	190, 209
Wong, Mark E.	202			Yore, Michelle	119
Wong, Marlon L.	131			Yoshida, Kiyotsugu	183
Wong, Monica D.	198			Yoshida, Saishu	183
Wong, Tiffany C.	123			You, Yi Qian N.	98
Wong, Virginia	141			Youker, Keith A.	114
Wongponsalee, Thongsak	206, 207			Younan, Duraid	204
Woo, Edward Y.	115			Young, Brian T.	203
Woo, Karen	82			Young, Charlotte	156
Woo, Russell K.	166			Young, David M.	156
Woo, Yanghee	54, 55, 220			Young, Katelyn A.	142, 149, 167, 168
Wood, Case	136			Young, Katharine M.	179
Wood, Doug	139			Young Yu, Faye H.	96
Wood, Lauren S. Y.	139, 203			Yu, Daohai	126
Wood, Matthew D.	135			Yu, Denny	137
Wools, Gentry	167			Yu, Jihnhee	172
Worden, Andrew P.	157			Yu, Lumeng J.	139
Worlton, Tamara	113			Yu, Xianzhong	148
Worrell, Stephanie G.	135, 158,			Yuan, Carrie	139
	165, 168			Yuan, Yujie	168
Worrilow, William M.	136, 137			Yuce, Tarik	131, 132, 179
Worth, Patrick J.	144			Yuen, Rachel C.	96
Worthington, Emma K.	127			Yueze, Liu	201, 209
Wren, Sherry M.	82, 126			Yule, Steven	53, 131
Wright, Andrew S.	64			Yunus, Rossita M.	160, 185
Wright, Cheryl	185			Yusin, Thomas M.	129, 187

X

Khaja, Anisa	148
Khaja, Xhileta	142
Xiang, Junxi	191
Xie, Han	119
Xie, Lillian	150
Xie, Tian	132
Xierali, Imam	197
Xu, Jiabo	121, 139
Xu, Junwang	139, 147, 155
Xu, Thomas Q.	134, 159
Xu, Xiao	193
Xu, Yiwei	171
Xu, Zhaomin	97
Xu, Zhichao	119
Xuan, Yue	110
Xue, Hasen	132, 195

Y

Yagi, Shintaro	141, 196
Yagi, Stephanie	140
Yakoub, Danny	152, 167, 190, 195, 198
Yaldo, Bashar	197
Yamada, Kohji	183
Yamada, Teppei	148
Yamaguchi, Shigeki	183
Yamazumi, Marcia H.	208, 219
Yan, Huan	128
Yan, Shi	140, 158
Yan, Xiaopeng	147, 163, 170, 193, 201
Yan, Yan	177
Yan, Yongjia	190
Yanaga, Katsuhiko	117, 183, 189, 200
Yáñez Benítez, Carlos	102, 178
Yang, Anthony D.	46, 47, 127,
	131, 132, 179
Yang, Chi-Fu J.	158
Yang, Dongjie	143
Yang, Feng	178
Yang, Gang	191, 201
Yang, George	144
Yang, Linfeng	190
Yang, Phillip	137
Yang, Rachel	131
Yang, Simon	168
Yang, Wei	112
Yang, Zequan	124

Z		
Zadeh, Shirin T.	207	Zhang, Zhe 191
Zafar, Muhammad H.	164	Zhao, Fangyu 201
Zafar, Syed Nabeel	179	Zhao, Huaqing 160
Zaghiyan, Karen	53, 57	Zhao, Jane Y. 174, 178
Zahiri, H. Reza	115, 171, 182, 186	Zhao, Nina W. 131
Zahner, Greg J.	163	Zhao, Shilin 185
Zaidi, Ali H.	137	Zhao, Yupei 201
Zaidi, Raza	190	Zhe, Cao 209
Zainira, Wan Zain Wan	136	Zheng, Feibi 134, 187
Zakaria, El Rasheid	124, 130	Zheng, Ping 137
Zaka-ur-Rehman, Taha A.	164	Zheng, Richard 114, 149, 159, 182, 212
Zakrison, Tanya L.	50	Zheng, Shan 139
Zambeli-Ljepovic, Alan	129	Zheng, X. L. 159
Zambetti, Benjamin R.	198	Zhong, Allen 206, 209
Zamin, Syed A.	154	Zhong, Luer 166
Zamora, Abigail K.	139	Zhong, XiaoSheng 214
Zamora, Ruben	159	Zhou, Luhan T. 174
Zanatta, Michela	164	Zhou, Lynn 144
Zanbrakji, Mohamad	161	Zhou, Qjinjie 139
Zangbar Sabegh, Bardiya	176	Zhou, Wei 141
Zani, Augusto	185	Zhou, Xun 124
Zannoli, Rodolfo C.	214	Zhu, Haitao 139, 185
Zapata Sirvent, Ramon L.	131	Zhu, Liwei 190
Zappalà, Agata	164	Zhu, Yuwen 117
Zarkowsky, Devin S.	163	Zidar, David A. 141
Zarnegar, Rasa	152	Ziegler, Kathryn 126
Zarnett, Lauren J.	146	Zielinski, Martin D. 43, 76, 138, 165
Zarrinpar, Ali	195	Zietlow, Kahli E. 143
Zaveri, Shruti	134, 172	Zimmerman, Steven A. 96
Zayadin, Yacoub	197	Zimmermann, Christopher J. 114, 154
Zebley, D. Mark	60	Zingarelli, Basilia 159
Zeeshan, Muhammad	116, 121, 124, 130, 141, 150, 151, 154, 155, 169, 176, 181, 186	Ziogas, Ioannis A. 200
Zeh, Herbert J., III	114, 190, 199, 209	Zipple, Monica K. 111
Zeineddin, Ahmad	192	Zivanovic, Oliver 83
Zeineddin, Suhail	147	Zobel, Michael J. 139
Zeki, Jasmine	121	Zolin, Samuel J. 151, 152, 156, 170, 171, 191, 203, 211
Zelenski, Amy	154	Zonies, David 43, 106, 108, 112
Zelic, Marko	180	Zorrilla-Nunez, Luis F. 215
Zemansky, Tracy R.	80	Zuardi Ushinohama, Adriano 219
Zeng, Qingsheng	190	Zuber, Samuel M. 121
Zenilman, Ariela L.	167	Zubowicz, Elizabeth A. 120
Zenilman, Michael E.	75, 146	Zucca, Annalisa 125
Zens, Tiffany	84	Zuckerbraun, Brian S. 132
Zeoli, Tyler	198	Zumba, Osvaldo 208
Zervos, Michael	212	Zundel, Natan 79, 215, 217
Zeymo, Alexander	127, 132	Zureikat, Amer H. 129, 144
Zgheib, Carlos	139, 147, 155	Zwintschner, Nathan 198
Zhan, Yong	193	Zyromski, Nicholas J. 43, 72, 161, 200
Zhang, Ailan	139	
Zhang, Aimee	124	
Zhang, Bin	220	
Zhang, Christina X.	147, 149, 172	
Zhang, Di	159	
Zhang, Judy	211	
Zhang, Lindsey M.	154	
Zhang, Qiao	147, 149, 172	
Zhang, Ronghua	157	
Zhang, Taiping	191	
Zhang, Yanyu	183	
Zhang, Yong	147, 193	

Clinical Congress 2019

SESSIONS-AT-A-GLANCE BY DAY MYCME TRACKING CARD

Key for Designated Tracks

The scientific program, scheduled in discipline and theme-based tracks, focuses specifically on the needs of various surgical specialties and learner groups.

BTR	Basic / Translational Research
CRS	Colon and Rectal Surgery
CTS	Cardiothoracic Surgery
EDU	Education / Outcomes and Safety
ETH	Ethics
GEN	General Surgery
GER	Geriatric / Palliative Care
HP	Health Policy: Practice Management / Reimbursement / Liability Issues
HUM	Surgical Humanitarian Outreach
INFO	Informatics
INT	International
NEU	Neurosurgery
OBG	Obstetrics and Gynecology
ONC	Surgical Oncology
OPHTHO	Ophthalmic Surgery
ORT	Orthopaedic Surgery
OTO	Otolaryngology - Head and Neck Surgery
PED	Pediatric Surgery
PLA	Plastic and Maxillofacial Surgery
RES-MED	Residents / Medical Students
RUS	Rural Surgery
TRA	Trauma / Critical Care
URO	Urology
VAS	Vascular Surgery

Key for Session/Course Codes

DC	Didactic Courses
ME	Meet-the-Expert Sessions
NL	Named Lectures
PS	Panel Sessions
SC	Surgical Skills Courses
SF	Scientific Forum Sessions
SP	Scientific Forum e-Poster Sessions
SI	Special Interest Sessions
SL	Special Sessions
TH	Town Hall Meetings
VE	Video-Based Education Sessions

Key for Credit to Address Regulatory Mandates

CC	Cultural Competency
DV	Domestic Violence
E	Ethics
GER	Geriatric
OPM	Opioid/Pain Management
PA	Palliative Care
PtS	Patient Safety

Key for Credit to Address ACS Accreditation/ Verification Requirements

BST	Breast
C	Cancer
GS	Geriatric Surgery
MBS	Bariatric Surgery
PEDS	Pediatric Surgery
T	Trauma

Continuing Medical Education (CME) Credit Claiming

On-site claiming of credit for nonticketed sessions will be available at the MyCME booths and at the kiosk located in the Moscone Center. Residents and Allied Health professionals are eligible for a Certificate of Completion.

Claims for CME Credit for this event will be accepted until December 1, 2019.

Self-Assessment Credit

Self-Assessment Credit will be available for most sessions and courses. The process for earning Self-Assessment Credit is voluntary and is not a prerequisite to claiming CME Credit. Participants are strongly encouraged to complete their self-assessment posttests as soon after attendance as possible.

The final deadline to earn Self-Assessment Credit is December 1, 2019.

Guide to Educational Credit at Clinical Congress

Deadline for Claiming CME and Earning Self-Assessment Credit is December 1, 2019

Use this card to track your attendance throughout your time at Clinical Congress. This form is for your records and should not be returned to the American College of Surgeons (ACS). All claiming needs to be done electronically.

Session Type	Offers CME Credit	Offers Self-Assessment Credit **
Didactic Courses (DC)	✓	✓
Meet-the-Expert Sessions (ME)	✓	N/A
Named Lectures (NL)	✓	N/A
Panel Sessions (PS)	✓	✓*
Scientific Forum Sessions (SF)	✓	N/A
Scientific Forum e-Poster Sessions (SP)	✓	N/A
Special Interest Sessions (SI)	N/A	N/A
Special Sessions (SL)	✓	N/A
Surgical Skills Courses (SC)	✓	✓
Town Hall Meetings (TH)	N/A	N/A
Video-Based Education Sessions (VE)	✓	✓*

* Not every session will offer Self-Assessment Credit.

** For more information regarding your individual requirements, please contact the ABS at (215) 568-4000 or at www.absurgery.org.

Process	To Claim CME Credit	To Earn Self-Assessment Credit
To claim CME Credit or Earn Self-Assessment Credit (by December 1, 2019):	✓	✓
<ul style="list-style-type: none"> Visit one of the three MyCME booths (on site only). Utilize the Clinical Congress App Go to www.cme.facs.org from your own device 		
Complete each session evaluation	✓	✓
Complete posttest and achieve a minimum score of 75% correct.	N/A	✓*
Complete Global Evaluation online after attending your last activity at Clinical Congress (deadline is December 1, 2019).	✓	✓
Your certificate will be available online after completion of the Global Evaluation.	✓	✓

* Some Postgraduate Courses require a pretest as well

Credit to Address Regulatory Mandates

The majority of state licensing boards have established specific content requirements for CME Credit. For your convenience, this year's Clinical Congress has designated sessions with the following content areas:

- Cultural Competency (CC)
- Domestic Violence (DV)
- Ethics (E)
- Geriatric (GER)
- Opioid/Pain Management (OPM)
- Palliative Care (PA)
- Patient Safety (PtS)

Clinical Congress sessions that include this content are designated as **Credit to Address Regulatory Mandates**.

These specific content designations, where applicable, are indicated after each session title using the abbreviations listed above. When claiming CME Credit for these sessions, individuals may select the **Credit to Address Regulatory Mandates**, and this will be documented as part of their CME Certificate and Clinical Congress Transcript. Individuals must check with their state medical board to verify that the content meets the specific requirements.

Credit to Address ACS Accreditation/Verification Requirements

Institutions that are accredited or verified by the ACS require staff to earn credits in applicable content areas in order to meet compliance and site survey requirements:

- Bariatric Surgery (MBS)
- Breast (BST)
- Cancer (C)
- Geriatric Surgery (GS)
- Pediatric Surgery (PEDS)
- Trauma (T)

Clinical Congress sessions that include this content are designated as **Credit to Address ACS Accreditation/Verification Requirements**. These specific content designations, where applicable, are indicated after each session title using the abbreviations listed above. When claiming CME Credit for these sessions, individuals may select the **Credit to Address ACS Accreditation/Verification Requirements** and this will be documented as part of their CME Certificate and Clinical Congress Transcript. Individuals may meet these requirements with relevant *AMA PRA Category 1 Credits™* awarded by any institution. It is the responsibility of the individual to verify that the content meets the specific requirements.

Program Schedule

SAT/SUN

Ⓢ Ticketed sessions

Ⓦ Webcast session

Ⓜ Audio session

MN = Moscone North

MS = Moscone South

MW = Moscone West

Saturday, October 26, 2019

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
8:00-11:45	SC02A	Advanced Robotic Surgery for Complex Abdominal Cancers (Lecture Only) Ⓢ	GEN	MW 2000	3.5				
8:00-3:30	DC01	Emergency General Surgery Update Ⓢ	GEN, TRA	MW 2010	6.0			PtS	T
8:00-5:30	SC01	Advanced Skills Training for Rural Surgeons: Laparoscopic Common Bile Duct Exploration and Image-Guided Interventions of the Chest and Abdomen Ⓢ	RUS	MW 2001	8.0				
8:00-5:30	SC02B	Advanced Robotic Surgery for Complex Abdominal Cancers (Lecture and Lab) Ⓢ	GEN	UCSF-ALC	7.5				
8:30-4:00	DC02	Global Health Competencies for Surgeons: Cognitive and System Skills Ⓢ	HUM, INT	MW 2005	6.0				
8:30-4:45	SC03	Advanced Surgical Skills for Exposure in Trauma (ASSET) Ⓢ	TRA, VAS	UCSF-STF	7.0				T
9:00-4:30	DC03	Surgical Education: Principles and Practice Ⓢ	EDU	MW 2007	6.0				
12:30-4:45	DC04	Ethical Issues in Geriatric Surgical Care Ⓢ	ETH, GER	MW 2003	4.0			E, GER	GS

Sunday, October 27, 2019

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
7:00-4:30	PS001	Excelsior: Military Civilian Partnerships for Training, Sustaining, and Retraining	GEN, TRA	Hilton San Francisco Union Square Continental Ballroom 7-8	6.5		N/A		T
8:00-12:15	SC04A	Surgical Endoscopy: Essential Skills in Foregut Surgery (Lecture Only) Ⓢ	CTS, GEN	MW 2001	4.0				
8:00-12:30	SC05A	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture Only) Ⓢ	CRS, GEN, ONC	MW 2000	4.0				C
8:00-3:30	DC05	Annual Trauma Update Ⓢ	TRA	MW 2005	6.0				T
8:00-5:30	SC04B	Surgical Endoscopy: Essential Skills in Foregut Surgery (Lecture and Lab) Ⓢ	CTS, GEN	MW 2014-2018	8.0				
8:00-5:30	SC05B	Minimally Invasive Approach to Rectal Cancer: Transanal Total Mesorectal Excision (taTME) (Lecture and Lab) Ⓢ	CRS, GEN, ONC	UCSF-STF	8.0				C
8:15-5:30	SC06	Thyroid, Parathyroid, and Neck Ultrasound Ⓢ	GEN, ONC, OTO	MW 2020-2022	7.75				C
8:30-4:00	DC06	Designing and Running a Prospective Surgical Clinical Trial Ⓢ	GEN, ONC	MW 2003	6.0				
9:00-4:30	DC07	Quality Systems-Based Practice: Measure Twice, Cut Once! Optimizing Surgical Systems of Care Ⓢ	EDU, INFO	MW 2007	6.0			PtS	
9:45-5:45	DC08	2019 Mastering General Surgery Coding Ⓢ	HP	MW 2010	6.5				
10:00-5:00	SI006	Surgery Resident Program at Clinical Congress: Essential Skills for Surgery Residents Day 1	RES-MED	MS 210-211	0.0		N/A		
11:30-6:00	SI001	Medical Student Program Day I	RES-MED	MN 24	0.0		N/A		
1:00-3:00	PS002	Resident and Associate Society-American College of Surgeons Symposium: Shift Work Surgery: Loss of Continuity or Sensible Balance of Responsibility?	EDU, ETH, GEN, HP, RES-MED	MS 212	3.0		N/A		

Program Schedule

SUN/MON

- Ⓢ Ticketed sessions
- Ⓦ Webcast session
- 🔊 Audio session

MN = Moscone North
MS = Moscone South
MW = Moscone West

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
2:30-4:00	SI002	Medical Student Program e-Poster Session	RES-MED	MS 201-203	0.0		N/A		
3:00-5:00	SI004	RAS-ACS Skills Competition	RES-MED	MS 209	0.0		N/A		
6:00-8:00	SI005	Convocation		MW Ballroom	0.0		N/A		

Monday, October 28, 2019

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
8:00-9:00	SI101	Opening Ceremony		MW Ballroom	0.0		N/A		
9:00-9:30	NL01 🔊	Martin Memorial Lecture: The Health of the Supreme Court	GEN, URO	MW Ballroom	0.5		N/A		
9:00-4:30	SI102	Surgical History Group Poster Session		Halls ABC	0.0		N/A		
9:45-10:45	NL01A	Meet and Greet with Nina Totenberg	GEN, URO	MW 3024	0.0		N/A		
9:45-10:45	NL02 🔊	John H. Gibbon, Jr. Lecture: Innovation: A Surgical Imperative	CTS	MS 303-304	1.0		N/A		
9:45-11:15	PS101 Ⓦ🔊	Diverticulitis: Are the Answers Changing?	CRS, GEN, RUS, TRA	MS 205-208, 213-216	1.5				
9:45-11:15	PS102 Ⓦ🔊	Necrotizing Pancreatitis: Dealing with a Devastating Disease	GEN, RUS, TRA	MW 3014-3018	1.5				
9:45-11:15	PS103 Ⓦ🔊	The Multidisciplinary Care of the Central Nervous Injuries	NEU, RUS, TRA	MS 301-302	1.5				
9:45-11:15	PS104 Ⓦ🔊	Humanitarian Surgical Outreach at Home and Abroad: Reports of the 2019 Volunteerism and Humanitarian Award Winners	HUM, INT, RES-MED	MS 154	1.5		N/A		
9:45-11:15	PS105 Ⓦ🔊	Skinny the Wrong Way: Orthopaedic Issues and Bariatric Surgery	GEN, ORT	MW 2002-2004	1.5				MBS
9:45-11:15	PS106 Ⓦ🔊	Women Pioneers in Surgery	EDU	MW 2006-2008	1.5				
9:45-11:15	PS107 Ⓦ🔊	Liquid Biopsy: An Emerging Platform for Detecting, Monitoring, and Selecting Therapy for Cancer	BTR, CRS, CTS, GEN, ONC	MS 153	1.5				C
9:45-11:15	SF101	Clinical Trials/Late-Breaking Abstracts		MN 20	1.5		N/A		
9:45-11:15	SF102	Cardiac Surgery I	CTS	MN 22	1.5		N/A		
9:45-11:15	SF103	Colon and Rectal Surgery I	CRS	MN 21	1.5		N/A		
9:45-11:15	SF104	Health Services Research I	HP	MS 151	1.5		N/A		
9:45-11:15	SF106	Military	HUM, INT	MS 152	1.5		N/A		T
9:45-11:15	SF107	Surgical Education I	EDU	MN 23	1.5		N/A		
9:45-11:15	SP105	e-Posters I	BTR, GEN, HUM, INT, PED, TRA	MS 201-203	1.5		N/A		
9:45-11:15	VE101	Bariatric Surgery I	GEN	MS 306-308	1.5				MBS
9:45-12:15	SC07A	Transoral Thyroidectomy (Lecture Only) Ⓢ	GEN, ONC, OTO	MW 2000	2.5				
9:45-1:00	VE102	General Surgery I – Gastrointestinal Disease	GEN	MW 3020-3022	3.0				
9:45-5:15	DC09	Annual Update in Surgical Critical Care Ⓢ	TRA	MW 2005	6.0				T
9:45-5:30	SC07B	Transoral Thyroidectomy (Lecture and Lab) Ⓢ	GEN, ONC, OTO	UCSF-STF	6.0				
9:45-5:45	DC10	2019 Intensive Trauma and Critical Care Coding Ⓢ	HP	MW 2003	6.5				
10:00-2:00	SI109	Surgery Resident Program at Clinical Congress: Essential Skills for Surgery Residents Day 2	RES-MED	MS 210-211	0.0		N/A		

Program Schedule

MON

📍 Ticketed sessions

📺 Webcast session

🎧 Audio session

MN = Moscone North

MS = Moscone South

MW = Moscone West

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
10:00-5:00	DC11-1	General Surgery Review Course (Day 1) 📍	GEN	MS 156	5.5				
11:30-1:00	PS108 📺🎧	The Gall Bladder: Dealing with the Acute Gallbladder	GEN, RUS, TRA	MW Ballroom	1.5				
11:30-1:00	PS109 📺🎧	Multidisciplinary Management of Breast Cancer	GEN, ONC	MS 205-208, 213-216	1.5				BST, C
11:30-1:00	PS110 📺🎧	Urinary Diversion after Urologic, Gynecologic, and General Surgical Procedures: Approaches, Consequences, and Considerations for Re-Operation	CRS, GEN, OBG, TRA, URO	MW 2002-2004	1.5				
11:30-1:00	PS111 📺🎧	Vulnerable Elderly: Optimizing Care for the Frail Patient	CRS, CTS, GEN, GER, ORT	MS 303-304	1.5			GER	GS
11:30-1:00	PS112 📺🎧	Global Engagement	HUM, INT	MS 153	1.5				
11:30-1:00	PS113 📺🎧	You Treat Patients and Trainees Well: How About Yourself?	EDU, GEN, RES-MED	MS 154	1.5				
11:30-1:00	SF108	Ethics	ETH	MN 23	1.5		N/A	E	
11:30-1:00	SF109	General Surgery I	GEN	MN 22	1.5		N/A		
11:30-1:00	SF110	Neurosurgery	NEU	MS 160	1.5		N/A		
11:30-1:00	SF111	Orthopaedic Surgery	ORT	MS 159	1.5		N/A		
11:30-1:00	SF112	Surgical Oncology I	ONC	MS 151	1.5		N/A		C
11:30-1:00	SF113	Trauma/Burn/Critical Care I	GEN, TRA	MN 21	1.5		N/A		T
11:30-1:00	SF114	Vascular Surgery I	VAS	MS 158	1.5		N/A		
11:30-1:00	SF115	Health Services Research II	HP	MN 20	1.5		N/A		
11:30-1:00	VE103	Obstetrics and Gynecology	OBG	MS 152	1.5				
11:30-1:00	VE104	Subject-Oriented Symposium I-Challenging Hernias	GEN	MS 306-308	1.5				
1:00-5:15	DC12	Beyond Cutting for Cure: Tools for Enhanced Pain and Symptom Management, Communication, and Delivery of High-Quality Patient-Centered Care 📍	ETH, GER	MW 2007	4.0			E, GER, PA, OPM	GS
1:00-5:15	SC08	Ultrasound-Guided Resuscitation for Trauma and Critically Ill Patients 📍	GEN, TRA	MW 2020-2022	4.0				T
1:00-5:30	SC09	Advanced Therapeutic Colonoscopy and Endoluminal Surgery 📍	CRS, GEN, RUS	MW 2000, Lab: MW 2014-2018	4.0				
1:00-6:00	SI103	Medical Student Program Day II	RES-MED	MN 24	0.0		N/A		
1:15-2:15	ME101	Anorectal Diseases 📍	CRS	MS 52-56	1.0		N/A		
1:15-2:15	ME102	Anti-Reflux Gadgets and Gimmicks 📍	CTS, GEN	MS 50-62	1.0		N/A		
1:15-2:15	ME103	Approaches to Acute Pancreatitis 📍	GEN	MS 101	1.0		N/A		
1:15-2:15	ME104	Bariatric Surgery for the General Surgeon 📍	GEN	MS 102	1.0		N/A		MBS
1:15-2:15	ME105	Breast Cancer Management in 2019 📍	GEN, ONC	MS 209	1.0		N/A		BST, C
1:15-2:15	ME106	What Just Happened? Dealing with Devastating Complications 📍	GEN	MS 204	1.0		N/A	PtS	
1:15-2:15	ME107	Critical Issues in Laparoscopic Ventral Hernia Repair 📍	GEN	MS 212	1.0		N/A		
1:15-2:15	ME108	Enteral Access for Nutrition 📍	GEN, PED	MS 305-309	1.0		N/A		PEDS, T
1:15-2:15	ME109	Female Urology 📍	OBG, URO	MS 310-311	1.0		N/A		
1:15-2:15	ME110	Genitourinary Trauma 📍	TRA, URO	MS 312	1.0		N/A		T
1:15-2:15	ME111	Minimally Invasive Parathyroidectomy 📍	GEN, OTO	MS 313	1.0		N/A		
1:15-2:15	ME112	Operation Giving Back 📍	HUM	MS 314	1.0		N/A	CC	
1:15-2:15	ME113	Rib Fixation: Who, When, How? 📍	TRA	MW 3024	1.0		N/A		T

Program Schedule

MON

📍 Ticketed sessions

📺 Webcast session

🔊 Audio session

MN = Moscone North

MS = Moscone South

MW = Moscone West

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
1:15-2:15	ME114	Robotic Cardiothoracic Surgery 📍	CTS, EDU, GEN, HP, ONC	MS 104	1.0		N/A		
1:15-2:15	ME115	Using Emotional Intelligence to Optimize Your Professional Success 📍	EDU, GEN	MS 105	1.0		N/A		
1:15-2:15	SL01	ACS Academy of Master Surgeon Educators™	GEN	MS 303-304	1.0		N/A		
2:30-3:30	NL03 🔊	Charles G. Drake History of Surgery Lecture: From Surgical Burnout to Wellness: The Secret to a Balanced Life	GEN, NEU	MS 303-304	1.0		N/A		
2:30-4:00	PS114 📺 🔊	Current Strategies in Management of Small Bowel Obstruction	CRS, GEN, RUS, TRA	MS 205-208, 213-216	1.5				
2:30-4:00	PS115 📺 🔊	Complex Abdominal Wall Hernias	GEN, PLA, RUS, TRA	MW Ballroom	1.5				
2:30-4:00	PS116 📺 🔊	Parathyroidectomy for Primary Hyperparathyroidism: What's New?	GEN, OTO	MS 301-302	1.5				
2:30-4:00	PS117	Initiates Program: Strategies for Success in Surgery	GEN	MS 159	1.5				
2:30-4:00	PS118 📺 🔊	Clinical Trials in Personalized Medicine in Oncology	CRS, GEN, ONC	MS 160	1.5				
2:30-4:00	PS119 📺 🔊	Telemedicine, Telehealth, and Telemonitoring in Surgical Practice	HUM, INFO, OPHTHO, RUS	MS 152	1.5				
2:30-4:00	PS120 📺 🔊	Agency for Healthcare Research and Quality (AHRQ) Safety Program for Improving Surgical Care and Recovery: What Can It Do For Your Patients?	CRS, GEN	MS 306-308	1.5			PtS	
2:30-4:00	SF116	Bariatric/Foregut I	BTR, GEN	MS 158	1.5		N/A		MBS
2:30-4:00	SF117	Colon and Rectal Surgery II	CRS	MN 23	1.5		N/A		
2:30-4:00	SF118	Hepatobiliary and Pancreas I	GEN	MS 153	1.5		N/A		
2:30-4:00	SF119	Pediatric Surgery I	PED	MN 21	1.5		N/A		PEDS
2:30-4:00	SF120	Surgical Education II	EDU	MN 22	1.5		N/A		
2:30-4:00	SF121	Transplantation and Tissue Engineering I	BTR, GEN	MN 20	1.5		N/A		
2:30-4:00	SI107	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
2:30-4:00	SP115	e-Posters II	BTR, CRS, EDU, GEN, ONC, TRA	MS 201-203	1.5		N/A		
2:30-4:00	VE105	Plastic Surgery	PLA	MS 151	1.5		N/A		
2:30-5:45	PS121 📺 🔊	Multidisciplinary Management of Surgical Problems in the Pregnant Patient	CRS, GEN, OBG, RUS, TRA	MW 2002-2004	3.0				
2:30-5:45	PS122	Latin America Day (Spanish)– Día Hispano Frente Ecueménico Latinoamericano Caribeño (FELAC): Fantasía o Realidad?	GEN, INT	MW 2006-2008	3.0		N/A		
2:30-5:45	VE106	Challenging and Unusual Problems in Surgery	GEN	MW 3020-3022	3.0				
3:00-5:00	SI104	ACS Chapter Speed Networking		MW 2001	0.0		N/A		
4:00-5:45	SI105	Young Fellows Association (YFA) Program		MW 2010	0.0		N/A		
4:15-5:00	NL04 🔊	I.S. Ravdin Lecture in the Basic and Surgical Sciences: Response to Injury: The Genomic Storm and Precision Medicine	GEN, BTR	MW 3014-3018	0.75		N/A		
4:15-5:45	PS123 📺 🔊	Antibiotics for Appendicitis? No Consensus Yet	GEN, PED, RUS, TRA	MS 303-304	1.5				

Program Schedule

MON

🎫 Ticketed sessions

📺 Webcast session

🔊 Audio session

MN = Moscone North

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Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
4:15-5:45	PS124 📺 🔊	Preventing Incisional Hernias: Do We Need Mesh or Better Surgical Skills?	CRS, GEN, PLA, RUS, TRA	MW Ballroom	1.5				
4:15-5:45	PS125 📺 🔊	Dealing with the Impaired Physician: What to Do When It Is Your Trainee or Your Partner?	GEN	MS 159	1.5			OPM	
4:15-5:45	PS126 📺 🔊	Facial Nerve Injury and Repair	NEU, OTO, PLA, TRA	MS 205-208, 213-216	1.5				T
4:15-5:45	PS127 📺 🔊	Current Trends in Treatment of Congenital Diaphragmatic Hernia (CDH)	PED	MS 301-302	1.5				
4:15-5:45	PS128 📺 🔊	Dealing with the Difficult Patient: Survival Strategies	EDU, ETH, GEN	MS 160	1.5				
4:15-5:45	PS129 📺 🔊	Surgeons Treating Chronic Wounds: Let's Go Beyond Debridement	EDU, GEN, PLA, TRA, VAS	MS 154	1.5				
4:15-5:45	PS130 📺 🔊	Hot Topics in Endocrine Surgery	GEN, OTO	MN 23	1.5				
4:15-5:45	SF122	Breast I	GEN, ONC	MS 153	1.5		N/A		BST
4:15-5:45	SF123	Cardiac Surgery II	CTS	MS 158	1.5		N/A		
4:15-5:45	SF124	General Surgery II	GEN	MN 20	1.5		N/A		
4:15-5:45	SF125	Global Surgery and Humanitarian Outreach I	HUM, INT	MN 21	1.5		N/A		
4:15-5:45	SF126	Surgical Education III	EDU	MN 22	1.5		N/A		
4:15-5:45	SF127	Surgical Oncology II	ONC	MS 306-308	1.5		N/A		C
4:15-5:45	SI108	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
4:15-5:45	VE107	Neurological Surgery	NEU	MS 151	1.5		N/A		
4:15-5:45	VE108	Pancreas Surgery I	GEN	MS 152	1.5				
6:00-9:00	SI106	Cardiothoracic Surgery in Your Future: Hands-On Practice for Residents and Medical Students	CTS, RES-MED	Marriot Marquis San Francisco, Salon 9	0.0		N/A		

Tuesday, October 29, 2019

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
7:00-7:45	TH201	Stop the Bleed!® Resources for Young Surgeons and How to Start a Program	RES-MED, TRA	MN 22	0.0		N/A		
7:00-7:45	TH202	Carrying the Weight: How to Deal with Complications as a New Surgeon	GEN, RES-MED	MN 20	0.0		N/A		
7:00-7:45	TH203	Avoiding Personal Financial Nightmares in a Surgical Career	GEN	MN 21	0.0		N/A		
7:00-7:45	TH204	Palliative Care: How to Integrate Palliative Care in Your Practice as a Surgeon	ETH, GEN	MS 159	0.0		N/A		
7:00-7:45	TH205	Structural Violence and Disparity Affecting Surgical Outcomes: How Can We Be Part of the Solution?	GEN	MS 160	0.0		N/A		
7:00-7:45	TH206	How Can Mindfulness Improve Your Surgical Skills?	GEN	MS 158	0.0		N/A		
7:00-7:45	TH207	General Surgeons Practicing Primary Care in Rural Communities	RUS	MN 23	0.0		N/A		
7:00-7:45	TH208	How Does Continuous Certification Work? A Town Hall from the American Board of Surgery	GEN, PED, VAS	MS 151	0.0		N/A		
7:00-7:45	TH209	What is Futile Care in Emergency Surgery?	GEN, TRA	MS 152	0.0		N/A		

Program Schedule

MON/TUE

🎫 Ticketed sessions

📺 Webcast session

🔊 Audio session

MN = Moscone North

MS = Moscone South

MW = Moscone West

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
7:00-8:30	SI201	ACS Surgical History Group Breakfast		MN 24	0.0		N/A		
7:00-4:00	SI209	Cracking the Code to Clinical Trial Enrollment: How to Start and Who Can Help	GEN, ONC	MN 113-114	0.0		N/A		
8:00-9:00	NL05 🔊	Herand Abcarian Lecture: How to Navigate a Second Career in Surgery	CRS, GEN	MW Ballroom	1.0		N/A		
8:00-9:30	PS202 📺 🔊	Current Management of Upper Gastrointestinal (GI) Bleeding: The Role of Surgery, Endoscopy, and Interventional Radiology	GEN, RUS, TRA	MW 2006-2008	1.5				
8:00-9:30	PS203 📺 🔊	No Woman No Care: The Case to Incorporate Women into the Global Surgery Workforce	HUM, INT	MS 154	1.5				
8:00-9:30	PS204 📺 🔊	Current Options in the Management of Hemodialysis Access	GEN, VAS	MS 301-302	1.5				
8:00-9:30	PS205 📺 🔊	SESAP 17® Advanced: Previews to Sharpen Your Practice	BTR, EDU, GEN, RUS	MW 2002-2004	1.5		N/A		
8:00-9:30	PS206 📺 🔊	Button Batteries and Magnets: Ingestion of Foreign Bodies	OTO, PED, RUS, TRA	MS 205-208, 213-216	1.5			PtS	PEDS
8:00-9:30	PS207 📺 🔊	Management of Peritoneal Malignancies: Emerging Data in Heated Intraperitoneal Chemotherapy (HIPEC) and Other Strategies	CRS, ONC, PED	MS 158	1.5				C
8:00-9:30	SF200	2019 Owen H. Wangensteen Scientific Forum Dedication, Excellence in Research, and Resident Research Scholarship		MS 201-203	0.0		N/A		
8:00-9:30	SF201	Bariatric/Foregut II	BTR, GEN	MS 153	1.5		N/A		MBS
8:00-9:30	SF202	Endocrine Surgery I	GEN	MN 22	1.5		N/A		
8:00-9:30	SF203	Hepatobiliary and Pancreas II	GEN	MN 20	1.5		N/A		
8:00-9:30	SF204	Pediatric Surgery II	PED	MN 21	1.5		N/A		PEDS
8:00-9:30	SF205	Surgical Education IV	EDU	MN 23	1.5		N/A		
8:00-9:30	SF206	Trauma/Burn/Critical Care II	GEN, TRA	MS 159	1.5		N/A		T
8:00-9:30	SF210	Health Services Research III	HP	MS 151	1.5		N/A		
8:00-9:30	SI210	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
8:00-11:15	PS208	Spectacular Cases	GEN, RES-MED, RUS, TRA	MN 25	3.0				
8:00-12:30	SC10A	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture Only) 🎫	EDU, GEN, RUS	MW 2001	4.0				
8:00-3:30	DC13	Successful Management of Your Private Practice 🎫	GEN, RES-MED, RUS	MW 2003	6.0				
8:00-4:00	DC11-2	General Surgery Review Course (Day 2) 🎫	GEN	MS 156	6.5				
8:00-5:30	SC10B	Contemporary Strategies for Minimally Invasive Hernia Repair (Lecture and Lab) 🎫	EDU, GEN, RUS	MW 2014-2018	8.0				
8:30-11:45	SC11A	Fundamentals of Oncoplastic Breast Surgery (Lecture Only) 🎫	GEN, ONC	MW 2000	3.0				BST, C
8:30-12:45	DC14	Put PEP in Your Step: Empowerment Practices in Leadership Development 🎫	EDU, GEN	MW 2005	4.0				
8:30-4:00	SC11B	Fundamentals of Oncoplastic Breast Surgery (Lecture and Lab) 🎫	GEN, ONC	MW 2009-2011	6.0				BST, C
9:00-4:30	DC15	Endoscopy: Updates 🎫	GEN, RUS	MW 2007	6.0				
9:00-4:30	SI202	Surgical History Group Poster Session		Halls ABC	0.0		N/A		

Program Schedule

TUE

🎫 Ticketed sessions

📺 Webcast session

🔊 Audio session

MN = Moscone North

MS = Moscone South

MW = Moscone West

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
9:45-10:45	NL06 🔊	Excelsior Surgical Society/Edward D. Churchill Lecture: Blood and the Moving Wheels of History	GEN, TRA	MS 303-304	1.0		N/A		T
9:45-11:15	PS201 📺🔊	Optimizing Outcomes of Rectal Cancer in 2019	CRS, GEN, ONC	MW 3014-3018	1.5				C
9:45-11:15	PS209 📺🔊	Gastric and Gastroesophageal Junction Cancer: Latest Advances	CRS, GEN, ONC	MS 205-208, 213-216	1.5				C
9:45-11:15	PS210 📺🔊	Laparoscopic Common Bile Duct Exploration: When and How?	GEN, RUS, TRA	MW Ballroom	1.5				
9:45-11:15	PS211	Multifaceted Approach to Humanitarian Medical Outreach and Capacity Building: Low- and Middle-Income Countries	HUM, PLA	MW 2002-2004	1.5				
9:45-11:15	PS212 📺🔊	Antibiotic Stewardship: A Professional Responsibility	GEN, TRA	MW 2006-2008	1.5				
9:45-11:15	PS213 📺🔊	Tangibles of Teaching: How Medical Student Education Can Enhance Your Practice	CTS, GEN, RES-MED, RUS	MS 158	1.5				
9:45-11:15	PS214 📺🔊	Liver Transplantation: How Can We Increase the Number of Donors/ Transplants and Create Innovative New Strategies?	GEN, PED	MS 301-302	1.5				
9:45-11:15	PS215 📺🔊	Intimate Partner Violence and the Surgical Workforce	EDU, GEN, RES-MED, RUS, TRA	MS 153	1.5			DV	
9:45-11:15	PS216 📺🔊	What You Need to Know to Protect Yourself from Being Mislabeled a "Disruptive Surgeon"	EDU, ETH	MS 154	1.5			PtS	
9:45-11:15	SF207	Colon and Rectal Surgery III	CRS	MN 22	1.5		N/A		
9:45-11:15	SF208	General Surgery III	GEN	MN 20	1.5		N/A		
9:45-11:15	SF209	Plastic and Maxillofacial Surgery I	PLA	MS 152	1.5		N/A		
9:45-11:15	SF211	Surgical Oncology III	ONC	MN 23	1.5		N/A		C
9:45-11:15	SF212	Trauma/Burn/Critical Care III	GEN, TRA	MN 21	1.5		N/A		T
9:45-11:15	SF213	Urological Surgery I	URO	MS 159	1.5		N/A		
9:45-11:15	SI211	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
9:45-11:15	SP210	e-Posters III	BTR, CRS, GEN, PED, TRA, VAS	MS 201-203	1.5		N/A		
9:45-11:15	VE201	Bariatric Surgery II	GEN	MS 151	1.5				MBS
9:45-11:15	VE202	Subject-Oriented Symposium II- New Surgical Technology	GEN	MW 3020-3022	1.5				
9:45-11:15	VE203	Hepatobiliary Surgery I	GEN	MS 306-308	1.5				
11:15-12:45	SI215	<i>Code Blue: Resuscitating Rural Surgery</i> Documentary	RUS	MN 23	0.0		N/A		
11:30-12:30	ME201	Abdominal Compartment Syndrome (ACS) 🎫	GEN, TRA	MS 204	1.0		N/A		T
11:30-12:30	ME202	Approaches to Nipple-Sparing Mastectomy 🎫	GEN, ONC, PLA	MS 212	1.0		N/A		BST, C
11:30-12:30	ME203	Assessing Chronic Pain following Inguinal Hernia Repair 🎫	GEN	MS 305-309	1.0		N/A	OPM	
11:30-12:30	ME204	Dealing with Death and Dying: How to Conduct Goals of Care Discussions, Provide Quality Care to Dying Patients, and Cope after a Difficult Death 🎫	ETH, GEN, GER, ONC, TRA	MS 310-311	1.0		N/A	E, PA	
11:30-12:30	ME205	Evaluation and Management of Pancreatic Cyst 🎫	GEN	MS 312	1.0		N/A		
11:30-12:30	ME206	Gastrointestinal Stromal Tumors (GIST) 🎫	GEN, ONC	MS 313	1.0		N/A		

Program Schedule

TUE




- 📍 Ticketed sessions
- 📺 Webcast session
- 🔊 Audio session

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Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
11:30-12:30	ME207	Intracorporeal vs. Extracorporeal Anastomoses in Laparoscopic Bowel Surgery 📍	CRS	MS 50-62	1.0		N/A		
11:30-12:30	ME208	Laparoscopic Colectomy: Tips and Tricks 📍	CRS	MS 52-56	1.0		N/A		
11:30-12:30	ME209	Medullary Thyroid Cancer: What You Need to Know 📍	GEN, ONC, OTO	MS 101	1.0		N/A		C
11:30-12:30	ME210	Minimally Invasive Acute Care Surgery: What, When, and by Whom? 📍	TRA	MS 102	1.0		N/A		T
11:30-12:30	ME211	Pediatric Urology 📍	PED, URO	MS 314	1.0		N/A		PEDS
11:30-12:30	ME212	Personalized Medicine for Breast Cancer 📍	ONC	MS 209	1.0		N/A		BST, C
11:30-12:30	ME213	Reoperative Parathyroid Surgery 📍	GEN, OTO	MS 104	1.0		N/A		
11:30-12:30	ME214	Screening and Diagnosis of Prostate Cancer: PSA and Beyond 📍	URO	MS 105	1.0		N/A		C
11:30-12:30	ME215	Sports Hernia: How to Diagnose and Understand Management Options 📍	GEN	MS 58-60	1.0		N/A		
11:30-12:30	SL02	ACS Membership Survey Results on Firearm Injury Prevention	GEN, TRA	MW Ballroom	1.0		N/A		
11:30-12:30	SP215	e-Posters of Exceptional Merit: Owen H. Wangenstein Scientific Forum	CTS, GEN, HUM, INT, ONC, OTO, PED, URO	MS 201-203	1.0		N/A		
11:30-12:30	VE204	Icons in Surgery I	GEN	MW 3020-3022	1.0		N/A		
11:30-1:00	SI203	YFA Annual Mentor Program Kick-off Luncheon		MS 210-211	0.0		N/A		
12:00-1:00	SI204	Associate Fellow Special Interest Session: Why Should I Become a FACS, and How Do I Do It?		MN 22	0.0		N/A		
12:00-4:00	SI205	RAS-ACS Annual Business Meeting	RES-MED	Hilton San Francisco Union Square Continental Ballroom 1 & 2	0.0		N/A		
12:45-1:30	NL07 🔊	Scudder Oration on Trauma: A Perfect Storm	TRA	MW Ballroom	0.75		N/A		T
12:45-2:15	PS217 📺🔊	More Than BRCA: Genetic Testing for Breast Cancer 2019	GEN, ONC	MW 3014-3018	1.5				BST, C
12:45-2:15	PS218 📺🔊	Anastomotic Leaks: Are We Getting Closer to Understanding and Preventing Them?	CRS, GEN, RUS, TRA	MS 205-208, 213-216	1.5				
12:45-2:15	PS219 📺🔊	Endoscopic Intramural Surgery: POEM, POP, and POD	CTS, GEN	MW 2002-2004	1.5				
12:45-2:15	PS220 📺🔊	There's an App for That: How Technology Is Reshaping Pre- and Postoperative Outpatient Surgery	EDU, GEN, INFO	MS 301-302	1.5				
12:45-2:15	PS221 📺🔊	Opportunities for Women to Excel in Cardiothoracic Surgery	CTS, RES-MED, RUS	MW 2006-2008	1.5				
12:45-2:15	PS222 📺🔊	Management of the Nodal Basin in the Melanoma Patient	GEN, ONC, OTO, PLA	MS 154	1.5				C
12:45-2:15	SF214	Bariatric/Foregut III	BTR, GEN	MN 23	1.5		N/A		MBS
12:45-2:15	SF215	Health Services Research IV	HP	MS 152	1.5		N/A		
12:45-2:15	SF216	Pediatric Surgery III	PED	MN 21	1.5		N/A		PEDS
12:45-2:15	SF217	Thoracic Surgery I	CTS	MN 20	1.5		N/A		
12:45-2:15	SF218	Transplantation and Tissue Engineering II	BTR, GEN	MS 159	1.5		N/A		
12:45-2:15	SF219	Vascular Surgery II	VAS	MS 160	1.5		N/A		

Program Schedule

TUE

-  Ticketed sessions
-  Webcast session
-  Audio session

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Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
12:45-4:00	VE205	General Surgery II–Hernia	GEN	MW 3020-3022	3.0				
12:45-4:00	VE206	Cardiothoracic Surgery	CTS	MS 306-308	3.0				
12:45-5:00	PS223	Association of Program Directors in Surgery (APDS) Panels	GEN, RES-MED	MS 303-304	3.0		N/A		
1:00-5:15	SC12	Basic Endovascular Skills for Trauma (BEST) Workshop 	TRA, VAS	MW 2020-2022	4.0				T
1:00-6:00	SI206	Medical Student Program Day III	RES-MED	MN 25	0.0		N/A		
2:30-3:30	NL08 	Olga M. Jonasson Lecture: Recapturing the Joy of Surgery	GEN	MS 205-208, 213-216	1.0		N/A		
2:30-4:00	PS224  	Fournier's Gangrene and Other Necrotizing Infections: A Multidisciplinary Approach	GEN, PLA, TRA, URO	MW Ballroom	1.5				T
2:30-4:00	PS225  	Paraesophageal Hernias: When and How to Operate in 2019	CTS, GEN, RUS	MW 3014-3018	1.5				
2:30-4:00	PS226  	Is It Truly Unresectable? Vascular Surgery Options in Complex Surgical Oncology	CRS, ONC, OTO, PLA, VAS	MS 301-302	1.5				C
2:30-4:00	PS227  	Avoiding Surgeon Burnout with Lifestyle Modification	GEN, OTO, RES-MED, RUS	MN 23	1.5				
2:30-4:00	PS228  	Gender Inequality	ETH, GEN, INT, OBG	MS 154	1.5				
2:30-4:00	PS229  	Pediatric Trauma: What's New and Improved?	GEN, PED, RUS, TRA	MW 2006-2008	1.5				PEDS, T
2:30-4:00	PS237  	Metabolic Surgery: Bariatric, Diabetes, and Chronic Traumatic Encephalopathy	GEN, TRA	MW 2002-2004	1.5				MBS
2:30-4:00	SF221	Colon and Rectal Surgery IV	CRS	MS 159	1.5		N/A		
2:30-4:00	SF222	General Surgery IV	GEN	MN 21	1.5		N/A		
2:30-4:00	SF223	Geriatric and Palliative Care	GER	MS 160	1.5		N/A	GER, PA	GS
2:30-4:00	SF224	Hepatobiliary and Pancreas III	GEN	MN 20	1.5		N/A		
2:30-4:00	SF225	Trauma/Burn/Critical Care IV	GEN, TRA	MN 22	1.5		N/A		T
2:30-4:00	SI212	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
2:30-4:00	SP220	e-Posters IV	BTR, EDU, GEN, ONC, TRA	MS 201-203	1.5		N/A		
2:30-4:00	VE207	Urological Surgery	URO	MS 151	1.5				
2:30-4:00	VE208	Otolaryngology – Head and Neck Surgery	OTO	MS 152	1.5		N/A		
2:30-4:00	VE209	Subject-Oriented Symposium III–Revisional Foregut Surgery	GEN	MS 158	1.5				
2:30-5:45	PS230  	Ethics Colloquium: The Ethics of Extraordinary Care	ETH	MS 153	3.0			E	
4:00-5:00	SI207	Young Fellows Association Speed Mentoring Program	RES-MED	MS 312-314	0.0		N/A		
4:15-5:45	PS231  	General Surgeons as the GERD Experts in the Community	CTS, GEN, RUS	MS 205-208, 213-216	1.5				
4:15-5:45	PS232  	Non-Bariatric Surgery in the Morbidly Obese Patient	GEN, ORT, RUS, TRA	MW Ballroom	1.5				
4:15-5:45	PS233  	New Techniques in the Management of Lymphedema	ONC, PLA, VAS	MW 3014-3018	1.5				
4:15-5:45	PS234	What Works? Success in Global Surgical System Strengthening: From Problems to Solutions	HUM, INT	MS 301-302	1.5				
4:15-5:45	PS235  	Surgery in Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community: Patient Care and Physician Experience	EDU, OBG, PLA, RES-MED, URO	MW 2006-2008	1.5			CC, E	

Program Schedule

TUE/WED

- 📍 Ticketed sessions
- 📺 Webcast session
- 🔊 Audio session

MN = Moscone North
MS = Moscone South
MW = Moscone West

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
4:15-5:45	PS236 📍🔊	Team-Based Approach to Pelvic Floor Problems: It Takes a Village	CRS, GEN, OBG, URO	MW 2002-2004	1.5				
4:15-5:45	SF226	Breast II	GEN, ONC	MN 21	1.5		N/A		BST
4:15-5:45	SF227	Colon and Rectal Surgery V	CRS	MN 22	1.5		N/A		
4:15-5:45	SF228	General Surgery V	GEN	MN 20	1.5		N/A		
4:15-5:45	SF229	Health Services Research V	HP	MS 152	1.5		N/A		
4:15-5:45	SF230	Surgical Oncology IV	ONC	MS 158	1.5		N/A		C
4:15-5:45	SF231	Trauma/Burn/Critical Care V	GEN, TRA	MN 23	1.5		N/A		T
4:15-5:45	SF232	Urological Surgery II	URO	MS 159	1.5		N/A		
4:15-5:45	SI208	Rural Surgeons Open Forum and Oweida Scholarship Presentation	RUS	MS 160	0.0		N/A		
4:15-5:45	SI213	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
4:15-5:45	VE210	International Video Session	GEN, INT	MS 306-308	1.5		N/A		
4:15-5:45	VE211	Endocrine Surgery	GEN, OTO	MS 151	1.5				
5:00-6:00	SI305	Pathways in Surgical Education for Residents and Medical Students	RES-MED	MS 212	0.0		N/A		
6:00-8:00	SI214	Symposium for Surgical Palliative Care	GER	Hilton San Francisco Union Square Yosemite B	0.0		N/A		
6:30-8:30	VE212	Video Highlights of Clinical Congress 2018	GEN	Hilton San Francisco Union Square Plaza B	2.0		N/A		

Wednesday, October 30, 2019

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
7:00-7:45	TH301	Advocacy 101: Why and How to Get Involved and Make a Difference	GEN	MN 22	0.0		N/A		
7:00-7:45	TH302	Global Surgery and Opportunities for the Young Surgeon: How Can I Get Involved	GEN, PED, PLA, RES-MED	MN 20	0.0		N/A		
7:00-7:45	TH303	Grants, Publications, Deadlines: How to Build a Research Profile and Balance a Busy Clinical Career	GEN	MN 21	0.0		N/A		
7:00-7:45	TH304	LinkedIn, Doximity, ResearchGate, Twitter, and Facebook: What Tools and How to Use Them for Your Professional Development	GEN	MS 159	0.0		N/A		
7:00-7:45	TH305	Locum Tenens: Pros and Cons for the Surgeon	GEN	MS 160	0.0		N/A		
7:00-7:45	TH306	The Strength of Diversity Measured on Outcomes	GEN	MS 158	0.0		N/A		
7:00-7:45	TH307	Children's Surgery Verification Program Update	PED	MN 23	0.0		N/A		
7:00-7:45	TH309	Surgical Resident Wellness Initiatives: Overcoming Common Barriers to Successful Implementation	EDU, RES-MED	MS 152	0.0		N/A		
8:00-9:00	NL09 📍	Distinguished Lecture of the International Society of Surgery: The Role of Surgical Care in Attaining Universal Health Coverage for Sustainable Development in Low- and Middle-Income Countries	HUM, INT	MS 303-304	1.0		N/A		

Program Schedule

WED

Ⓢ Ticketed sessions

Ⓦ Webcast session

🔊 Audio session

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Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
8:00-9:30	PS301 Ⓦ 🔊	Enhanced Recovery after Surgery (ERAS) Pathways for General Thoracic Surgery	CTS, EDU, GEN, ONC, RUS	MW Ballroom	1.5			PtS	
8:00-9:30	PS302 Ⓦ 🔊	Management of Complex Benign Breast Disease	GEN	MW 2006-2008	1.5				BST
8:00-9:30	PS303 Ⓦ 🔊	Current Management Strategies for the Child with Intestinal Failure	PED	MS 301-302	1.5				PEDS
8:00-9:30	PS304 Ⓦ 🔊	Mass Casualty Events: Lessons Learned from Military-Civilian Collaboration	CTS, EDU, HP, TRA, VAS	MW 3014-3018	1.5				T
8:00-9:30	PS305 Ⓦ 🔊	Is There Life after the Operating Room? How Surgeons Approaching Retirement Can Continue to Contribute	GEN, ORT, OTO, RUS, URO	MW 2002-2004	1.5				
8:00-9:30	PS306 Ⓦ 🔊	MeTooSurgery: Tools for Addressing and Preventing Sexual Harassment in the Surgical Workplace	EDU, ETH	MN 25	1.5				
8:00-9:30	PS307 Ⓦ 🔊	To Stent or Not to Stent? Appropriateness of Endovascular Care	CTS, GEN, RUS, TRA, VAS	MW 3020-3022	1.5				
8:00-9:30	PS308 Ⓦ 🔊	Integrative Medicine for Surgical Patients: East Meets West and Beyond	EDU, GEN, GER	MS 154	1.5				
8:00-9:30	SF301	Colon and Rectal Surgery VI	CRS	MS 152	1.5		N/A		
8:00-9:30	SF302	Endocrine Surgery II	GEN	MN 20	1.5		N/A		
8:00-9:30	SF303	General Surgery VI	GEN	MN 21	1.5		N/A		
8:00-9:30	SF304	Plastic and Maxillofacial Surgery II	PLA	MS 159	1.5		N/A		
8:00-9:30	SF305	Surgical Education V	EDU	MS 160	1.5		N/A		
8:00-9:30	SF306	Trauma/Burn/Critical Care VI	GEN, TRA	MN 22	1.5		N/A		T
8:00-9:30	SI303	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
8:00-11:15	PS309	Surgical Jeopardy	GEN, RES-MED	MS 205-208, 213-216	3.0		N/A		
8:00-11:15	VE301	General Surgery III - Foregut	GEN	MS 306-308	3.0				
8:00-11:15	VE302	Pediatric Surgery	PED	MS 151	3.0				PEDS
8:00-11:45	SC13A	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture Only) Ⓢ	CRS, GEN, ONC, RUS	MW 2001	3.5				
8:00-5:30	SC13B	State-of-the-Art Laparoscopic Colorectal Surgery (Lecture and Lab) Ⓢ	CRS, GEN, ONC, RUS	UCSF-STF	7.5				
8:30-12:15	SC14A	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture Only) Ⓢ	GEN, ONC	MW 2000	3.5				BST, C
8:30-12:45	DC16	Keys to Success for Employed Surgeons Ⓢ	HP	MW 2010	4.0				
8:30-5:00	SC14B	Oncoplastic Breast Surgery in My Practice: Beyond the Fundamentals (Lecture and Lab) Ⓢ	GEN, ONC	MW 2009-2011	7.0				BST, C
9:00-4:30	SI301	Surgical History Group Poster Session		Halls ABC	0.0		N/A		
9:30-5:00	DC18	Transanal Techniques for Management of Rectal Polyps and Cancer Ⓢ	CRS	MW 2005	6.0				C
9:45-10:45	NL10 🔊	John J. Conley Ethics and Philosophy Lecture: What We Talk about When We Talk about Surgery	ETH	MS 303-304	1.0		N/A	E	
9:45-11:15	PS310 Ⓦ 🔊	Optimizing the Care of Mesenteric Ischemia	CRS, GEN, TRA, VAS	MW Ballroom	1.5				

Program Schedule

WED

📍 Ticketed sessions

📺 Webcast session

🔊 Audio session

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Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
9:45-11:15	PS311 📺 🔊	Upgrading Your Surgical Skills through Preceptorship	EDU, GEN, RUS	MS 154	1.5			PtS	
9:45-11:15	PS312 📺 🔊	Nutrition: Overfeeding, Underfeeding, and No Feeding	GEN, RUS, TRA, VAS	MW 3014-3018	1.5				PEDS
9:45-11:15	PS313 📺 🔊	Surgeons' Role in Manipulating the Microbiome to Improve Outcomes following Cancer Surgery	BTR, CRS, GEN, ONC	MW 3020-3022	1.5				C
9:45-11:15	PS314 📺 🔊	Immunotherapy in the Treatment of Solid Tumors: Emerging Roles of the Surgeon	BTR, CRS, CTS, ONC	MS 301-302	1.5				C
9:45-11:15	PS315 📺 🔊	What's the Future for General Surgery?	GEN, TRA	MW 2006-2008	1.5				
9:45-11:15	PS316 📺 🔊	The Challenges of Children: Supporting Surgical Trainees during Pregnancy and Beyond	EDU, GEN, RES-MED	MN 25	1.5				
9:45-11:15	PS317 📺 🔊	Highlights of the Multidisciplinary 2018 AAES Thyroidectomy Guidelines: An Expert Panel Discussion	GEN, OTO	MW 2002-2004	1.5				C
9:45-11:15	PS318 📺 🔊	#GlobalSurgery: Cross-Disciplinary Perspectives on Harnessing the Power of Social Media	HP, HUM, INT, TRA	MS 153	1.5				
9:45-11:15	SF307	Breast III	GEN, ONC	MN 21	1.5		N/A		BST
9:45-11:15	SF308	General Surgery VII	GEN	MN 22	1.5		N/A		
9:45-11:15	SF309	Hepatobiliary and Pancreas IV	GEN	MS 159	1.5		N/A		
9:45-11:15	SF311	Plastic and Maxillofacial Surgery III	PLA	MS 160	1.5		N/A		
9:45-11:15	SF312	Thoracic Surgery II	CTS	MN 23	1.5		N/A		
9:45-11:15	SF313	Trauma/Burn/Critical Care VII	GEN, TRA	MN 20	1.5		N/A		T
9:45-11:15	SI304	Stop the Bleed®: Stop the Bleed Course and Instructor Course		MS 70-74	0.0		N/A		
9:45-11:15	SP310	e-Posters V	BTR, CRS, CTS, HP, PLA, TRA	MS 201-203	1.5		N/A		
9:45-11:15	VE303	Subject-Oriented Symposium IV: Revisional Bariatric	GEN	MS 158	1.5				
9:45-11:15	VE304	Vascular Surgery	VAS	MS 152	1.5				
10:00-2:15	DC17	Health Literacy: Optimizing Care for the Underserved Populations 📍	EDU, RES-MED	MW 2003	4.0			CC	
11:30-12:30	ME301	Anal Neoplasia 📍	CRS	MS 102	1.0		N/A		C
11:30-12:30	ME302	Avoiding Thyroid Surgery Complications 📍	GEN, OTO	MS 50-62	1.0		N/A	PtS	
11:30-12:30	ME303	Complex Abdominal Injuries 📍	TRA	MS 52-56	1.0		N/A		T
11:30-12:30	ME304	Endoscopic Management of Anterior Skull Base Lesions: State of the Art 📍	NEU, OTO	MS 101	1.0		N/A		
11:30-12:30	ME305	Evidence-Based Treatment of Incisional Hernia 📍	GEN	MS 209	1.0		N/A		
11:30-12:30	ME306	Have I Got a Job For You! Careers in Surgical Informatics and Quality 📍	INFO	MS 104	1.0		N/A		
11:30-12:30	ME307	Improving Outcomes in Bladder Cancer Surgery: Important Advances in Care 📍	URO	MS 105	1.0		N/A		C
11:30-12:30	ME308	Management of the Axilla in T1 or T2 Breast Cancer 📍	ONC	MS 204	1.0		N/A		BST, C
11:30-12:30	ME309	Contemporary Issues in Men's Sexual Health 📍	URO	MS 312	1.0		N/A		
11:30-12:30	ME310	Necrotizing Soft-Tissue Infections 📍	GEN, TRA	MS 314	1.0		N/A		T
11:30-12:30	ME311	Peritoneal Dialysis Catheters: Tips and Tricks 📍	GEN, URO	MS 310-311	1.0		N/A		

Program Schedule

WED

Ⓢ Ticketed sessions

Ⓦ Webcast session

🎧 Audio session

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Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
11:30-12:30	ME312	Pilonidal Disease: What Are My Options? Ⓢ	CRS, RUS	MS 212	1.0		N/A		
11:30-12:30	ME313	Should I Be Using Molecular Testing for All Thyroid Follicular Lesions of Uncertain Significance (FLUS)? Ⓢ	GEN, OTO	MS 313	1.0		N/A		C
11:30-12:30	ME314	The Difficult Gallbladder: Tricks of the Trade Ⓢ	GEN	MS 305-309	1.0		N/A		
11:30-12:30	ME315	The Role of Damage Control in Emergency Surgery Ⓢ	TRA	MW 3024	1.0		N/A		T
11:30-12:30	SL03	Cancer Surgery and Quality of Care Standards	ONC	MW 3014-3018	1.0		N/A		
11:30-12:30	VE305	Icons in Surgery II	GEN	MW 3020-3022	1.0		N/A		
12:45-1:45	NL11 🎧	Commission on Cancer Oncology Lecture: Pancreatic Cancer: Progress and Prospects	ONC	MW 3014-3018	1.0		N/A		C
12:45-2:15	PS319 Ⓦ🎧	Geriatric Trauma for the General Surgeon	GEN, NEU, ORT, RUS, TRA	MN 25	1.5			GER	GS, T
12:45-2:15	PS320 Ⓦ🎧	Minimally Invasive Endocrine Surgery: Is It Worth It?	GEN, OTO	MS 301-302	1.5				
12:45-2:15	PS321 Ⓦ🎧	Is My Patient Going to Die? Integrating Calculations in Surgical Planning	ETH, GEN, GER	MW 2006-2008	1.5			PtS	
12:45-2:15	PS322 Ⓦ🎧	Surgery for Children: Who Can We Keep in the Rural Community?	GEN, PED, RUS	MS 154	1.5				PEDS
12:45-2:15	PS323 Ⓦ🎧	Should Surgeons Care for Their Family Members?	ETH, RUS	MS 303-304	1.5			E	
12:45-2:15	PS324 Ⓦ🎧	Strategic Advocacy: How to Do It	GEN, HP	MS 205-208, 213-216	1.5				
12:45-2:15	PS332 Ⓦ🎧	Transition from Medical School to Residency: Are We Preparing Our Medical Students Adequately?	RES-MED	MW 2002-2004	1.5				
12:45-2:15	SF314	Bariatric/Foregut IV	BTR, GEN	MN 20	1.5		N/A		MBS
12:45-2:15	SF315	Global Surgery and Humanitarian Outreach II	HUM, INT	MS 152	1.5		N/A		
12:45-2:15	SF316	Hepatobiliary and Pancreas V	GEN	MS 151	1.5		N/A		
12:45-2:15	SF317	Surgical Education VI	EDU	MN 23	1.5		N/A		
12:45-2:15	SF318	Vascular Surgery III	VAS	MN 22	1.5		N/A		
12:45-2:15	VE306	Colon and Rectal Surgery I	CRS	MW 3020-3022	1.5				
12:45-4:00	PS325	The College's International Scholars and Travelers 2019	GEN, INT	MS 153	3.0		N/A		
12:45-4:00	VE307	Surgical Cases in Trauma	TRA	MS 306-308	3.0				T
1:15-5:30	DC19	Managing Your Team in the Operating Room Ⓢ	EDU	MW 2007	4.0			PtS	
2:30-4:00	PS326 Ⓦ🎧	Sports Hernia: Have We Defined It, Decided How to Diagnose It, and Determined the Optimal Treatment?	GEN, RUS	MS 205-208, 213-216	1.5				
2:30-4:00	PS327 Ⓦ🎧	What's New in the Management of Pancreatic Cancer?	GEN, ONC	MW 3014-3018	1.5				C
2:30-4:00	PS328 Ⓦ🎧	The Surgeon's Role in Solving the Opioid Crisis	EDU, GEN, HP, RES-MED, RUS	MS 303-304	1.5			OPM	
2:30-4:00	PS329 Ⓦ🎧	Diversity Matters	EDU, RES-MED	MW 2006-2008	1.5			CC	
2:30-4:00	PS330 Ⓦ🎧	Management of Hereditary Endocrine Syndromes	GEN	MW 2002-2004	1.5				C

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WED/THU

- 🎟 Ticketed sessions
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Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
2:30-4:00	PS331 📺 🔊	Blood Product Transfusion: The Sum of the Parts Is Greater Than the Whole—Or Is It?	BTR, GEN, TRA	MS 301-302	1.5				T
2:30-4:00	PS339	Topics in Advocacy	HP	MN 25	0.0				
2:30-4:00	SF319	General Surgery VIII	GEN	MN 22	1.5		N/A		
2:30-4:00	SF321	Global Surgery and Humanitarian Outreach III	HUM, INT	MN 20	1.5		N/A		
2:30-4:00	SF322	Health Services Research VI	HP	MS 154	1.5		N/A		
2:30-4:00	SF323	Pediatric Surgery IV	PED	MN 23	1.5		N/A		PEDS
2:30-4:00	SF324	Surgical Oncology V	ONC	MS 160	1.5		N/A		C
2:30-4:00	SF325	Trauma/Burn/Critical Care VIII	GEN, TRA	MS 152	1.5		N/A		T
2:30-4:00	SP320	e-Posters VI	BTR, CTS, EDU, GEN, NEU, OBG, OPHTHO, ORT, OTO, TRA, URO	MS 201-203	1.5		N/A		
2:30-5:45	VE308	Hepatobiliary Surgery II	GEN	MS 151	3.0				
4:15-5:15	SI302	Annual Business Meeting of Members		MN 25	0.0		N/A		
4:15-5:45	PS333 📺 🔊	Negotiating Skills: More Than Just Your Contract	GEN, NEU, RES-MED, RUS	MS 306-308	1.5				
4:15-5:45	PS334 📺 🔊	Depression and Suicide Prevention for Surgeons	GEN	MW 2002-2004	1.5				
4:15-5:45	PS335 📺 🔊	Extra Corporeal Life Support (ECLS): What's the Role in Trauma?	CTS, GEN, TRA	MW 2006-2008	1.5				T
4:15-5:45	PS336 📺 🔊	The Current Status of Fetal Interventions for Congenital Anomalies	CTS, OBG, PED, URO	MS 301-302	1.5				PEDS
4:15-5:45	PS337 📺 🔊	Contemporary Trauma Controversies: Panel Debate	GEN, RUS, TRA	MS 205-208, 213-216	1.5				T
4:15-5:45	PS338 📺 🔊	Improving Care for Minority Patients: Development of Disparity-Sensitive Metrics	BTR, EDU, GEN	MS 303-304	1.5			CC	
4:15-5:45	VE309	General Surgery IV—Oncology	GEN, ONC	MS 152	1.5				C

Thursday, October 31, 2019

Time	Session Code	Course Title	Track(s)	Location	CME Hours	CME Claimed	Self-Assess. Earned	Credits Reg. Man.	Credits ACS Rqmts.
7:00-7:45	TH401	Functional Ergonomics for Surgeons: Protect Your Neck and Your Career	GEN	MN 22	0.0		N/A		
7:00-7:45	TH403	Financial Literacy for the Surgical Practice	GEN	MN 20	0.0		N/A		
8:00-9:30	PS401 📺 🔊	Ten Hot Topics in General Surgery	GEN, RUS, TRA	MS 205-208, 213-216	1.5				
8:00-9:30	PS402 📺 🔊	Ten Hot Topics in Surgical Patient Safety	GEN, RUS, TRA	MS 301-302	1.5			PtS	
8:00-9:30	VE401	Colon and Rectal Surgery II	CRS	MS 306-308	1.5				
9:45-11:15	PS403 📺 🔊	Ten Hot Topics in Surgical Oncology	CRS, GEN, ONC	MS 301-302	1.5				C
9:45-11:15	PS404 📺 🔊	Ten Hot Topics in Emergency Acute Care Surgery	TRA	MS 205-208, 213-216	1.5				T
9:45-11:15	VE402	Pancreas Surgery II	GEN	MS 152	1.5				



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